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1894/92

CATALOGUE.

# BUCKNELL UNIVERSITY.

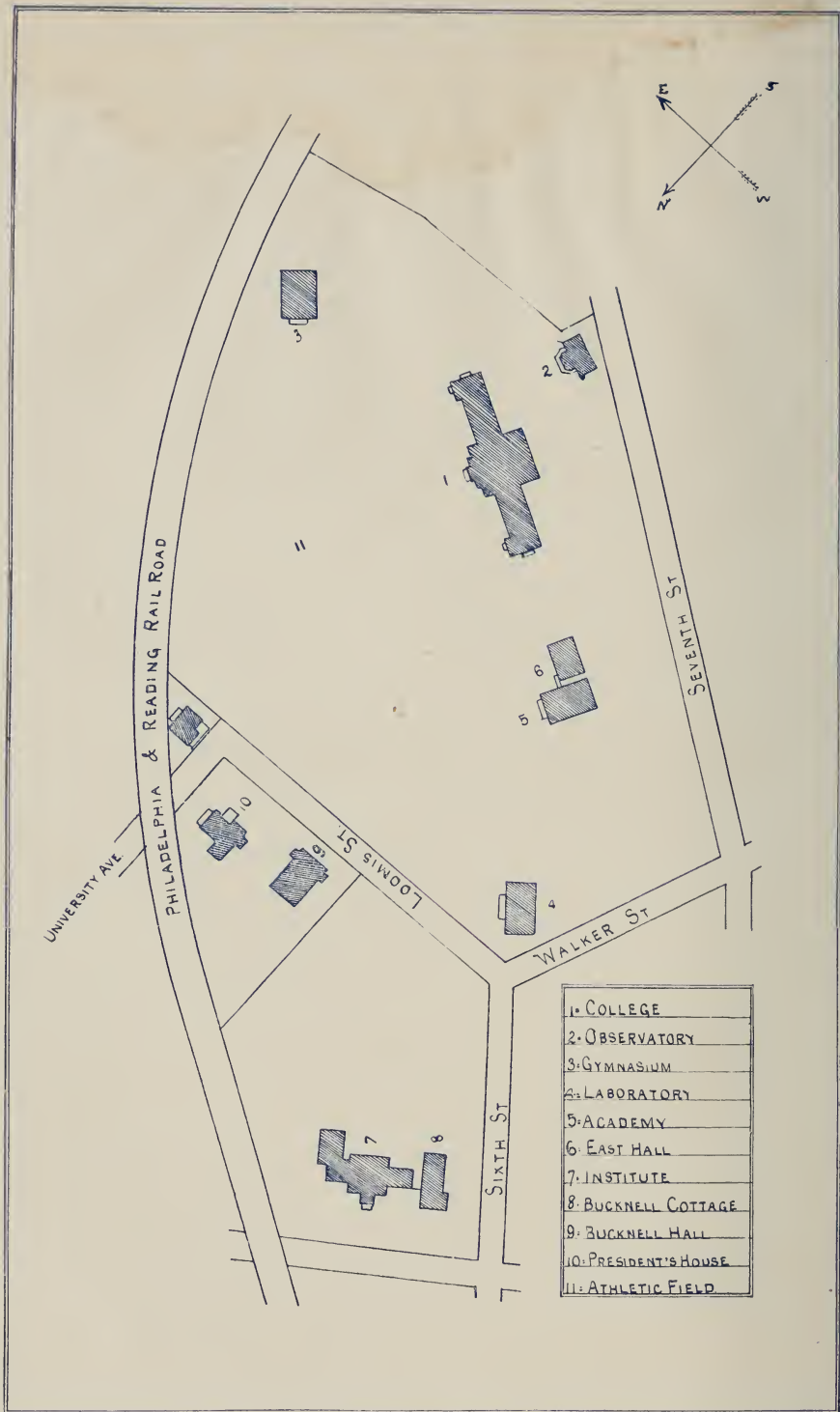
1891-92.

LEWISBURG, PA.

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MAP OF BUILDINGS AND CAMPUS.

THE FORTY-SECOND

ANNUAL CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

BUCKNELL UNIVERSITY,

LEWISBURG, PA.,

FOR THE YEAR 1891-92.



LEWISBURG :  
PRINTED FOR THE UNIVERSITY.  
1892.

## LOCATION.

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The University is located at Lewisburg, near the geographical centre of the State, on the West Branch of the Susquehanna River, in a valley famous for healthfulness and beauty. In addition to the natural advantages of the site, the founders of the institution appreciated the quiet of an inland town for economical support and retirement in study, particularly as it was found that other corporations had so located "their respective colleges as to leave in the central and northern part of Pennsylvania, a region extending more than two hundred miles from East to West, and more than one hundred from North to South, wholly unoccupied by any literary institution above the grade of an ordinary academy." Since the founding of the University, the multiplication of railroads has rendered access easy to every part of the State.



# PLAN AND PURPOSE OF THE UNIVERSITY.

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## CORPORATE RIGHTS.

The University was incorporated, with full University privileges, by the Legislature of Pennsylvania in an act approved by the Executive on the fifth day of February, A. D. 1846. The Management of the University is committed to a Board of Trustees, consisting of twenty-five members, or fewer, at the option of the Board. The Trustees are prohibited, for any cause, or under any pretext whatever, from encumbering by mortgage or otherwise the real estate or any other property of the Institution. It is required by the charter, that no religious sentiments are to be accounted a disability to hinder the election of an individual to any office among the teachers of the Institution, or to debar persons from attendance as pupils, or in any manner to abridge their privileges or immunities as students in any department of the University.

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## ENDOWMENT.

The Institution has productive funds amounting to over three hundred thousand dollars. The endowment funds, raised at various times, were increased, in 1881, to an even two hundred thousand dollars. Since that time William Bucknell has contributed to the general fund one hundred and fifteen thousand dollars, and for scholarships and prizes about twenty-five thousand dollars.

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## FORM OF BEQUEST.

To persons desiring to aid in increasing the efficiency of the schools in the work of preparing young men and young women for usefulness, the following form of bequest is recommended :

*I give and bequeath to the Bucknell University, at Lewisburg, Pa., the sum of . . . . . dollars for the general purpose of said school, according to the Act of Assembly incorporating the same.*

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## ORGANIZATION.

The University aims to impart sound instruction in all non-professional studies. It comprises four Departments :

I. **THE COLLEGE** offers three courses of study, leading respectively to degrees in Arts, Philosophy and Science.

II. **THE INSTITUTE** for young women has three courses of study: the Literary, the Classical and the Scientific, leading to diplomas, but not to degrees.

III. **THE ACADEMY** is designed to fit young men for College, either for the Classical, Philosophical or Scientific course.

IV. **THE INSTITUTE OF MUSIC** has full courses in instrumental and vocal music, and grants diplomas to those who complete either of the specified courses.

These schools are under one corporation, have one President, who has general charge, with a principal in more immediate charge of each of the three subordinate departments. All expenses are met from funds in the hands of a common treasurer.

V. **KEYSTONE ACADEMY, MT. PLEASANT INSTITUTE** and **HALL INSTITUTE** are under the same denominational control, but with distinct corporate existence, and are affiliated with the University. These schools have courses preparatory to College, and their graduates are admitted without examination.



## BOARD OF TRUSTEES.

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CHAIRMAN, HARRY S. HOPPER, ESQ.,

28 South Third Street, Philadelphia.

SECRETARY, REV. A. JUDSON ROWLAND, D. D.,

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400 South Fortieth Street, Philadelphia.

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PRES. JOHN H. HARRIS, LL. D.,

HARRY S. HOPPER, ESQ.,

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\*HON. C. S. WOLFE, A. M., LL. B.,

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JAMES S. SWARTZ, ESQ.,

ALFRED TAYLOR, A. M., LL. B.,

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JOSEPH K. WEAVER, M. D.,

REV. HENRY G. WESTON, D. D.,

HON. S. P. WOLVERTON, A. M.

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\*Deceased.

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## MEETINGS OF THE BOARD.

The annual meeting is held on the Tuesday of Commencement week, at Lewisburg, Pa.

The semi-annual meeting is held on the second Thursday of January, at 1420 Chestnut Street, Philadelphia, Pa.



## COMMITTEES OF THE BOARD.

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### COMMITTEE ON INSTRUCTION AND DISCIPLINE :

REV. A. JUDSON ROWLAND, D. D., *Chairman.*

|                                |                                   |
|--------------------------------|-----------------------------------|
| REV. BENJAMIN GRIFFITH, D. D., | *HON. C. S. WOLFE, A. M., LL. B., |
| REV. HENRY G. WESTON, D. D.,   | REV. JOSEPH P. TUSTIN, A. M.,     |
| REV. LEROY STEPHENS, D. D.,    | REV. C. C. BITTING, D. D.         |

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### COMMITTEE ON FINANCE :

JAMES S. SWARTZ, *Chairman.*

|                           |                        |
|---------------------------|------------------------|
| JAMES IRVING, ESQ.,       | HARRY S. HOPPER, ESQ., |
| HON. JAMES BUCHANAN,      | JAMES H. LITTLE, ESQ., |
| REV. DAVID P. LEAS, A. M. |                        |

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### COMMITTEE ON BUILDINGS AND GROUNDS :

D. BRIGHT MILLER, A. M., *Chairman.*

|                                |                               |
|--------------------------------|-------------------------------|
| REV. BENJAMIN GRIFFITH, D. D., | REV. JOSEPH P. TUSTIN, A. M., |
| ALFRED TAYLOR, ESQ.,           | PRES. JOHN H. HARRIS,         |
| CRAIG LIPPINCOTT, ESQ.         |                               |

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### COMMITTEE ON PUBLICATION :

REV. GEORGE M. SPRATT, D. D., *Chairman.*

|                               |                                  |
|-------------------------------|----------------------------------|
| REV. JOSEPH P. TUSTIN, A. M., | *HON. C. S. WOLFE, A. M., LL. B. |
| REV. DAVID P. LEAS, A. M.,    | REV. JAMES W. PUTNAM.            |

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\*Deceased.

# THE UNIVERSITY PROPERTY.\*

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## I. THE COLLEGE.

The College building is situated on a hill which rises one hundred feet above the Susquehanna River, and overlooks scenery of unsurpassed beauty. It has a facade of three hundred and twenty feet. The building was designed by Thomas U. Walter, LL. D., architect of the dome and wings of the Capitol, at Washington, D. C., and is in the Grecian style, combining dignity and simplicity. The central portion is eighty feet square, and is strengthened in front by four massive columns. Within, on the first floor, are five commodious recitation rooms, respectively for English Literature, Greek, Latin, Mathematics and Modern Languages.

On the second floor are the Halls of Theta Alpha and Euepia Literary Societies, the Library-room, Reading-room and Museum of Natural History.

In the third story is Commencement Hall, with a seating capacity of fifteen hundred.

The wings on the eastern and western side, respectively, of the Main Building, are each one hundred and twenty feet in length and four stories high, and are used for students' rooms. The Registrar's office is in the East Wing.

Several thousand dollars have been expended recently in improving the College building.

## II. BUCKNELL HALL.

Bucknell Hall is used as a chapel, in which all the students meet every morning for worship. These exercises give unity to the life of the University, and base the unity upon religious principles. The time is devoted wholly to worship, consisting of singing, reading of Scripture and prayer; and matters of discipline are attended to elsewhere.

## III. BUCKNELL OBSERVATORY.

The Observatory was erected in 1887, and is designed for the use of students in Practical Astronomy.

The entire equipment is new and represents the latest improvements in this class of instruments. It consists of a Clark Equatorial Telescope of 10 inches aperture and  $12\frac{1}{2}$  feet focal length, furnished with a fine position Micrometer and all the usual accessories; a Spectroscope, with prism and grating by Brashear, the grating having 14,500 lines to the inch; a 3-inch Prismatic Transit with a 13 wire movable Micrometer, by T. Ertel & Sons; a Fauth Chronograph with Bond spring governor; a Waldo Precision Clock for sidereal time, with mercurial compensation, break circuiting apparatus, Daniell's battery and

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\*For map of grounds see frontispiece.

telegraph sounders ; a Seth Thomas Clock for solar time ; a Sextant ; a 3-inch Altitude Azimuth Refractor ; a set of Meteorological instruments ; Celestial globes and maps, and standard works on Theoretic and Pratical Astronomy.

#### IV. THE BUCKNELL LABORATORY.

The Laboratory was erected in 1890, and is forty-three feet in width and eighty-six feet in length, and has two stories above the basement. In the first story, which has a clear height of fifteen feet, are a lecture-room, with a seating capacity for one hundred and twenty-five students, and a large working room, in which are tables for individual work in Chemical Analysis ; the second floor contains a lecture-room for the class in Physics, and one room each for Quantitative and Qualitative Analysis ; the basement has a dark room for Photometry, a room for Applied Chemistry, another for Electricity, and a Fire-proof room.

#### V. THE TUSTIN GYMNASIUM.

The basement of the Gymnasium is built of stone, and contains rooms for students' lockers, wardrobes and dressing-rooms, shower-baths, furnaces and coal. The second story is built of brick, rising twenty-two feet from the main floor to the square and is open to the roof. At the height of twelve feet a running track gallery, six feet wide, surrounds the room.

Near the Gymnasium is the Athletic Field, carefully graded and fitted up for foot ball, base ball, lawn tennis and other out door sports.

#### VI. THE ACADEMY.

The Academy building, situated on College Hill, is fifty feet in width by eighty feet in length and three stories high ; on the first floor is a commodious dining-room, thirty feet by thirty-six feet ; two recitation-rooms, a reception-room and the Principal's office ; on the second floor are suites of rooms for the Principal and his family and for the Matron, and a society hall ; the third floor is occupied by students' rooms. These are twenty feet by twelve feet, and fourteen feet high. Over three thousand dollars have been recently expended in the improvement of this building. Borough water and steam heat have recently been introduced.

#### VII. THE EAST HALL.

This is the Bucknell Cottage for young men, and is contiguous to the Academy building and connected with it by a covered passage-way. It is a brick building, three stories high, sixty feet in length and forty feet in width and is finished in natural wood. The building contains a recitation-room, teachers' apartments, and rooms for thirty-seven students. The rooms have high ceilings, large double windows with inside shutters, two commodious closets each, and are warmed by steam radiators.

#### VIII. THE INSTITUTE.

The Campus of the Ladies' Institute is separate from that of the College, and comprises six acres.

**THE MAIN BUILDING** contains, on the first floor, an office for the Principal and the Registrar, a reception room, the office of the Director of Music, five

music-rooms, two recitation-rooms, and a dining hall; on the second floor a school-room and a parlor, elegantly furnished; on the third floor, a library-room, teachers' apartments and students' rooms.

**THE SOUTH HALL**, erected in 1869, is devoted to students' rooms, except the third story, which is used as a gymnasium.

### IX. THE BUCKNELL COTTAGE.

This building stands to the southwest of the Main Building, being connected with it by an enclosed passage-way. It is built of brick, in the Queen Anne style of architecture, and has dimensions of one hundred feet by thirty-three feet. The interior is finished in natural wood, and is equipped, in matters of light, heat and ventilation, with the most modern improvements.

The portion allotted to students' rooms affords accommodations for forty occupants. These rooms are in suites on the general plan of a centre parlor with bed-rooms and closets on either side. The most spacious room of the building and its chief attraction is the **STUDIO**, with such adjustments for the admission of light and supply of unencumbered wall surfaces as renders it precisely adapted for the execution and display of art products.

All the Institute buildings are supplied with hot and cold water. Steam pipes and radiators warm every room. The drainage is faultless; stagnant water and dampness are impossible. The constant good health of the students bears testimony to the perfect sanitary condition of this pleasant home school.

### X. THE PRESIDENT'S HOUSE.

The Corporation also owns a house for the use of the President of the University, which has recently been enlarged and improved at a cost of six thousand dollars.



# THE COLLEGE.

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## THE FACULTY AND OTHER OFFICERS.

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JOHN HOWARD HARRIS, PH. D., LL. D., PRESIDENT,  
AND PROFESSOR OF PSYCHOLOGY AND ETHICS.

FREEMAN LOOMIS, PH. D.,  
PROFESSOR OF MODERN LANGUAGES AND LITERATURE, AND OF HISTORY.

GEORGE G. GROFF, M. D., LL. D.,  
PROFESSOR OF ORGANIC SCIENCES.

WILLIAM CYRUS BARTOL, A. M.,  
PROFESSOR OF MATHEMATICS AND ASTRONOMY.

FRANK ERNEST ROCKWOOD, A. M.,  
PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE.

WILLIAM GUNDY OWENS, A. M.,  
PROFESSOR OF PHYSICS AND CHEMISTRY.

ENOCH PERRINE, A. M.,  
JOHN P. CROZER PROFESSOR OF RHETORIC AND ENGLISH LITERATURE,  
AND SECRETARY.

CLARENCE FASSETT CASTLE, PH. D.,  
NEW JERSEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.

FREEMAN LOOMIS, PH. D.,  
LIBRARIAN.

LINCOLN HULLEY, A. M.,  
INSTRUCTOR IN ELOCUTION.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,  
REGISTRAR OF THE UNIVERSITY.



# DIRECTORY OF THE ALUMNI.

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## THE GENERAL ALUMNI ASSOCIATION.

*President,*

ALFRED TAYLOR, LL. B.

*Vice Presidents,*

GEORGE R. SPRATT, M. D., and REV. S. B. MEESER, PH. B.

*Secretary and Treasurer,*

PROF. WM. G. OWENS, A. M., Lewisburg.

*Board of Managers,*

The OFFICERS of the Association, and W. O. SHAFFER, A. M.;

GEORGE S. MATLACK, PH. B.; PRIN. W. E. MARTIN, A. M.;

JOHN A. GUNDY, PH. B., and W. C. GRETZINGER, PH. B.

*Orator for 1892,*

PRES. D. J. HILL, LL. D.

*Poet for 1892,*

REV. GEORGE WHITMAN, A. M.

*Alternate Orator,*

GEORGE M. PHILIPS, PH. D.

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## THE BUCKNELL UNIVERSITY CLUB OF PHILADELPHIA.

*President,* PRIN. G. M. PHILIPS, PH. D.

*Vice President,* P. N. K. SCHWENK, M. D.

*Secretary,* REV. R. B. MCDANEL, A. M.

*Treasurer,* E. L. TUSTIN, A. M.

*Chairman of Executive Committee,* J. H. GRATER, A. M.

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## THE NEW YORK ALUMNI CLUB.

*President,* CHAUNCEY B. RIPLEY, LL. D.

*Vice Presidents,* REV. T. A. K. GESSLER, D. D., and ALFRED TAYLOR, LL. B.

*Secretary,* REV. W. R. MAUL, PH. B., Erastina, Staten Island, N. Y.

*Treasurer,* DAVID E. RUE, A. M.

*Executive Committee,*

T. R. JONES, LL. B., REV. S. B. MEESER, PH. B., A. W. HAND, A. M.

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The Registrar of the University will esteem it a favor if any alumnus who changes his residence will give notice of his new address. He will also be grateful for any information that will assist in making or keeping the directory of the alumni complete, or serve for future editions of the triennial catalogue. Data are especially solicited regarding the more recent graduates,

## STUDENTS.

## GRADUATE STUDENTS.

| NAME.                        | RESIDENCE.           | SUBJECT OF STUDY.              |
|------------------------------|----------------------|--------------------------------|
| MARGARET ORWIG EVANS, A. B., | <i>West Chester.</i> | Greek Language and Literature. |
| JOSEPH MEIXEL, WOLFE, A. B., | <i>Lewisburg.</i>    | Chemistry and Mathematics.     |

## THE SENIOR CLASS.

| NAME.                     | RESIDENCE.                    | ROOM.              |
|---------------------------|-------------------------------|--------------------|
| CHARLES WILLIAM ALLEN,    | <i>Scranton.</i>              | No. 24, East Wing. |
| ISAAC FRANKLIN BODLE,     | <i>South Eaton.</i>           | No. 15, East Wing. |
| ANNIE CATHERINE CARLISLE, | <i>Williamsport.</i>          | Institute.         |
| ELTON SMITH CORSON,       | <i>Beesley's Point, N. J.</i> | No. 32, West Wing. |
| HOMER DOWLIN,             | <i>East Downingtown.</i>      | No. 22, East Wing. |
| CHARLES EDWARD FOLMER,    | <i>Shenandoah.</i>            | No. 22, East Wing. |
| ROBERT JANISCH HOLMES,    | <i>Pittston.</i>              | No. 26, East Wing. |
| ELKANAH HULLEY,           | <i>Chester.</i>               | No. 31, East Wing. |



| NAME.                          | RESIDENCE.               | ROOM.              |
|--------------------------------|--------------------------|--------------------|
| WARREN LESLIE KAUFFMAN,        | <i>Paxton.</i>           | No. 6, East Wing.  |
| CHARLES KOONCE,                | <i>Lewisburg.</i>        | No. 28, East Wing. |
| WILLARD ARTHUR LANING,         | <i>Everett.</i>          | No. 14, East Wing. |
| JAMES MCLEAN PATERSON,         | <i>Blairsville.</i>      | No. 14, East Wing. |
| LLEWELLYN PHILLIPS,            | <i>Plymouth.</i>         | No. 13, West Wing. |
| WALTER BODINE PIMM,            | <i>Flemington, N. J.</i> | No. 32, West Wing. |
| CHARLES FISHER RINKER,         | <i>Eaton.</i>            | No. 13, East Wing. |
| CHARLES GRANT SHAFFER,         | <i>Lewisburg.</i>        | No. 5, East Wing.  |
| GEORGE SHORKLEY,               | <i>Lewisburg.</i>        | Mr. E. Shorkley.   |
| H. OPHELIA STAUFFT,            | <i>Scottdale.</i>        | Institute.         |
| GEORGE WASHINGTON WAGENSELLER, | <i>Selinsgrove.</i>      | No. 8, East Wing.  |
| JOHN URBAN WAGNER,             | <i>Scranton.</i>         | No. 24, East Wing. |
| ANDREW ROBERT ELMER WYANT,     | <i>Adrian.</i>           | No. 20, East Wing. |



## THE JUNIOR CLASS.

| NAME.                     | RESIDENCE.           | ROOM.              |
|---------------------------|----------------------|--------------------|
| NELLIE WILSON CONARD,     | <i>Philadelphia.</i> | Institute.         |
| JOHN BRICE CRESSINGER,    | <i>Sunbury.</i>      | No. 7, West Wing.  |
| PHILIP JACKSON DICKERSON, | <i>Lulu, Va.</i>     | No. 11, East Wing. |
| JOHN HAMMOND FORESMAN,    | <i>Williamsport.</i> | No. 5, East Wing.  |
| ARTHUR FREMONT GARDNER,   | <i>Factoryville.</i> | No. 31, East Wing. |
| CARRIE LOUISA GEARY,      | <i>Carbondale.</i>   | Institute.         |
| CHARLES ALEXANDER GUNDY,  | <i>Lewisburg.</i>    | Mr. J. A. Gundy.   |
| EPHRAIM M. HEIM,          | <i>Warrensville.</i> | No. 7, East Wing.  |
| CARRIE VANDERSLICE LLOYD, | <i>Phoenixville.</i> | Institute.         |
| EDWIN MAXEY,              | <i>Royal.</i>        | No. 16, East Wing. |
| HANNAH AGNES NYE,         | <i>Carbondale.</i>   | Institute.         |
| EDWARD CLAYTON PAULING,   | <i>Elmispport.</i>   | No. 32, East Wing. |
| EUGENIO KINCAID THOMAS,   | <i>Scranton.</i>     | No. 3, East Wing.  |



## THE SOPHOMORE CLASS.

| NAME.                     | RESIDENCE.             | ROOM.               |
|---------------------------|------------------------|---------------------|
| ANDREW FREEMAN ANDERSON,  | <i>Portersville.</i>   | No. 21, East Wing.  |
| BENJAMIN ALSUP BALDWIN,   | <i>Litchfield.</i>     | Mr. Edward Bell.    |
| MARY L. BARTOL,           | <i>Lewisburg.</i>      | Prof. W. C. Bartol. |
| ELIZA BELL,               | <i>Lewisburg.</i>      | Mr. Edward Bell.    |
| EVERETT ADAMS BUSH,       | <i>Panama, N. Y.</i>   | No. 3, East Wing.   |
| PERRY SYLVESTER CALVIN,   | <i>Transfer.</i>       | No. 21, East Wing.  |
| MARY CASTLE,              | <i>Alexandria, O.</i>  | Prof. C. F. Castle. |
| ROBERT BAILEY DAVIDSON,   | <i>Paterson, N. J.</i> | No. 23, East Wing.  |
| RAYMOND JOHN DAVIS,       | <i>Jenkintown.</i>     | No. 33, East Wing.  |
| HARVEY LEARN FASSETT,     | <i>Scottsville.</i>    | No. 13, East Wing.  |
| ALBERT EDWARD FINN,       | <i>Philadelphia.</i>   | No. 33, West Wing.  |
| THOMAS STRADLING FRETZ,   | <i>Gardenville.</i>    | No. 5, West Wing.   |
| HOWARD POLLOCK GUNDY,     | <i>Lewisburg.</i>      | Mr. W. L. Gundy.    |
| GRACE GUTHRIE,            | <i>Pottsville.</i>     | Institute.          |
| MARY BELLE HARRIS,        | <i>Lewisburg.</i>      | President Harris.   |
| THEODORE HEYSHAM,         | <i>Norristown.</i>     | No. 4, East Wing.   |
| GEORGE CASH HORTER,       | <i>Philadelphia.</i>   | No. 4, East Wing.   |
| JAMES ROWLAND HUGHES,     | <i>Scranton.</i>       | No. 29, East Wing.  |
| GILBERT FENIMORE KENDALL, | <i>Lewisburg.</i>      | Rev. J. L. Kendall. |

|                          |                              |                     |
|--------------------------|------------------------------|---------------------|
| JAMES MALCOLM KENDALL,   | <i>Lewisburg.</i>            | Rev. J. L. Kendall. |
| ALONZO CORODYN LATHROP,  | <i>Lewisburg.</i>            | No. 4, West Wing.   |
| CHARLES FRANKLIN MCMANN, | <i>Philadelphia.</i>         | No. 12, East Wing.  |
| WARREN STANLEY MARTS,    | <i>Dividing Creek, N. J.</i> | No. 19, East Wing.  |
| GILBERT WARREN MAYNARD,  | <i>Harford.</i>              | No. 29, East Wing.  |
| EDWIN MORGAN,            | <i>East Stroudsburg.</i>     | No. 24½, East Wing. |
| THOMAS SEABORN MORGAN,   | <i>Danville.</i>             | No. 16, East Wing.  |
| LEVI LORE RIGGIN,        | <i>Port Norris, N. J.</i>    | No. 19, East Wing.  |
| FREDERICK OTTO SCHUB,    | <i>Pittsburg.</i>            | No. 19, West Wing.  |
| WILLIAM BOYD SHEDDAN,    | <i>Pottsgrove.</i>           | No. 6, East Wing.   |
| FRANKLIN REESE STRAYER,  | <i>Lewistown.</i>            | Prof. G. G. Groff.  |
| HARVEY FETTERHOFF SMITH, | <i>Harrisburg.</i>           | No. 27, East Wing.  |
| RALPH RANSSALAER SNOW,   | <i>Franklin.</i>             | No. 7, East Wing.   |
| WILSON METTLER VASTINE,  | <i>Riverside.</i>            | No. 16½, East Wing. |
| GEORGE HENRY WAID,       | <i>Reading.</i>              | No. 12, West Wing.  |
| JESSIE JUNE WHEELER,     | <i>Erie.</i>                 | Mr. Edward Bell.    |
| CHARLES WESLEY WILLIAMS, | <i>Philadelphia.</i>         | No. 12, West Wing.  |
| JOSEPH ROBERTS WOOD,     | <i>Norristown.</i>           | No. 6, West Wing.   |
| CHARLES DALE WOLFE,      | <i>Lewisburg.</i>            | No. 8, East Wing.   |
| ADAM MARTIN WYANT,       | <i>Adrian.</i>               | No. 20, East Wing.  |
| ALBERT HARNISH WYNKOOP,  | <i>Philadelphia.</i>         | No. 6, West Wing.   |

## THE FRESHMAN CLASS.

| NAME.                      | RESIDENCE.              | ROOM.               |
|----------------------------|-------------------------|---------------------|
| EZRA ALLEN,                | <i>Coudersport.</i>     | No. 32, East Wing.  |
| VOORHEES SCHENCK ANDERSON, | <i>Camden, N. J.</i>    | No. 7, West Wing.   |
| THOMAS JACKSON BALDRIGE,   | <i>Hollidaysburg.</i>   | No. 27, West Wing.  |
| MYRA AMBLER BALDWIN,       | <i>Hilltown.</i>        | Institute.          |
| HARRY S. BOURN,            | <i>Danville.</i>        | No. 12, East Wing.  |
| HERBERT KEELEY BOWER,      | <i>Lewisburg.</i>       | Mr. A. E. Bower.    |
| LAMAR LEON BOWER,          | <i>West Pittston.</i>   | No. 11, East Wing.  |
| DURBIN HEISTER BRADLEY,    | <i>West Chester.</i>    | No. 18, West Wing.  |
| BENJAMIN KANE BRICK,       | <i>Marlton, N. J.</i>   | No. 8, West Wing.   |
| JOSEPH CALDWELL CAREY,     | <i>Glen Loch.</i>       | No. 18, West Wing.  |
| WILLIAM HENDERSON CAREY,   | <i>Glen Loch.</i>       | No. 18, West Wing.  |
| MINNIE COTTON,             | <i>Eldred.</i>          | Mr. John S. Cotton. |
| WILLIAM ANDERSON CRAWFORD, | <i>De Lancey.</i>       | No. 30, West Wing.  |
| PETER BODINE CREGAR,       | <i>Aurandale, N. J.</i> | No. 8, West Wing.   |
| WILLIAM JEREMY DAVIES,     | <i>Scranton.</i>        | No. 29, East Wing.  |
| DAVID CHARLES DAVIS,       | <i>Shamokin.</i>        | No. 17, East Wing.  |
| NELSON FITHIAN DAVIS,      | <i>Seeley, N. J.</i>    | No. 23, East Wing.  |
| IRENE DICKSON,             | <i>Williamsport.</i>    | Institute.          |

| NAME.                          | RESIDENCE.              | ROOM.                     |
|--------------------------------|-------------------------|---------------------------|
| JACOB S. GOCHENOUR,            | <i>Big Mount.</i>       | No. 15, East Wing.        |
| EDWARD MCVITTY GREENE,         | <i>Saltillo.</i>        | No. 28, East Wing.        |
| CHARLES FRANKLIN HALL,         | <i>Philadelphia.</i>    | No. 4, West Wing.         |
| WILLIAM THEOPHILUS HARRIS,     | <i>Frankford.</i>       | No. 10, West Wing.        |
| ALFRED HAYES, JR.,             | <i>Lewisburg.</i>       | Hon. Alfred Hayes.        |
| GEORGE L. HUFF,                | <i>Landisville.</i>     | No. 15, East Wing.        |
| FRANK WATTERSON JACKSON,       | <i>Ohio pyle.</i>       | No. 26, West Wing.        |
| WILLIAM ALBERT KAUFFMAN,       | <i>Strode's Mills.</i>  | No. 29, West Wing.        |
| EDWARD GRIDLEY KENDALL,        | <i>Lewisburg.</i>       | Rev. J. L. Kendall.       |
| HARRY HARTMAN KINNEY,          | <i>Sunbury.</i>         | No. 28, West Wing.        |
| BOYD WARDLE KINPORTS,          | <i>Grant.</i>           | No. 26, East Wing.        |
| WILLIAM DOUGHMAN KINSLOE,      | <i>Newton Hamilton.</i> | No. 27, East Wing.        |
| ANDREW GREGG LOOMIS,           | <i>Lewisburg.</i>       | Rev. J. R. Loomis, LL. D. |
| KATE IRENE McLAUGHLIN,         | <i>Lewisburg.</i>       | Mr. G. Y. McLaughlin.     |
| SARAH MERRIMAN,                | <i>Lewisburg.</i>       | Rev. J. R. Merriman.      |
| RICHARD D. MINCH,              | <i>Bridgeton, N. J.</i> | No. 17, West Wing.        |
| MORGAN FREDERIC MOUNT,         | <i>Eau Gallie, Fla.</i> | No. 25, East Wing.        |
| WILLIAM VASTINE OGLESBY,       | <i>Danville.</i>        | No. 15, East Wing.        |
| WILLIAM THEODORE PAULLIN, JR., | <i>Philadelphia.</i>    | No. 29, West Wing.        |
| HERBERT MOXLEY PEASE,          | <i>Jackson.</i>         | No. 30, East Wing.        |
| CORA REIFF PERRY,              | <i>Eagleville.</i>      | Institute.                |
| DAVID PHILLIPS,                | <i>Plymouth.</i>        | No. 13, West Wing.        |

| NAME.                     | RESIDENCE.               | ROOM.              |
|---------------------------|--------------------------|--------------------|
| MARTHA LOUISE ROOT,       | <i>Crawford.</i>         | Institute.         |
| WILLIAM CLIFFORD SCOTNEY, | <i>Moore's.</i>          | No. 9, West Wing.  |
| FRANKLIN ISAAC SIGMUND,   | <i>Philadelphia.</i>     | No. 5, West Wing.  |
| FRANK MORTON SIMPSON.     | <i>Clifford.</i>         | No. 18, East Wing. |
| ROBERT HARRIS SIMPSON,    | <i>Clifford.</i>         | No. 18, East Wing. |
| BROMLEY SMITH,            | <i>Wilkes-Barre.</i>     | No. 30, East Wing. |
| DAVID ATKINSON SOLLY,     | <i>Philadelphia.</i>     | No. 9, West Wing.  |
| GRANTHAM ISRAEL TAGGART,  | <i>Savannah, Ga.</i>     | Academy.           |
| HELEN BAKER THOMAS,       | <i>Mansfield.</i>        | Institute.         |
| PAUL EMIL WEITHAASE,      | <i>Camden, N. J.</i>     | No. 17, West Wing. |
| WILLIAM WILSON,           | <i>Hainesport, N. J.</i> | No. 30, West Wing. |





## SPECIAL STUDENT.

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| NAME.                | RESIDENCE.     | SUBJECT OF STUDY. |
|----------------------|----------------|-------------------|
| STEPHEN OLIVER GOHO, | <i>Milton.</i> | Chemistry.        |

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## SUMMARY:

|                                    |     |
|------------------------------------|-----|
| Graduate Students . . . . .        | 2   |
| The Senior Class . . . . .         | 21  |
| The Junior Class . . . . .         | 13  |
| The Sophomore Class . . . . .      | 40  |
| The Freshman Class . . . . .       | 51  |
| Special Student . . . . .          | 1   |
| Total . . . . .                    | 128 |
| In other departments . . . . .     | 211 |
| Total in all Departments . . . . . | 339 |



# ADMISSION.

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## TO FRESHMAN STANDING.

**I. GENERAL REQUIREMENTS.**—Examinations for admission to the Freshman Class will be held on Monday of Commencement week, June 20th. Candidates will assemble in Bucknell Hall at 8:30 A. M., and come supplied with pencil and paper.

Similar examinations are also held on the day preceding the opening of each term. In special cases, candidates may be examined and admitted at other times in the year.

Candidates are expected to come well prepared in the English branches named below. They will be as strictly examined in these studies as in the Ancient Languages and Mathematics.

There must be furnished to the President by the candidate satisfactory testimonials of good moral character, and, if he come from another college, a certificate of honorable dismissal must be presented.

The required age for admission to the Freshman Class is fifteen years.

**II. PARTICULAR REQUIREMENTS.**—They are as follows for the respective courses:

### I. THE CLASSICAL COURSE.

To enter the Classical Course, the student must sustain an examination in :—  
ENGLISH.

1. Writing from dictation.
2. English Grammar.
3. Elements of Rhetoric—Invention, Style and Punctuation.
4. A brief composition upon a subject assigned at the time of the examination. For the year 1892, the subject will be taken from one of the following :

Shakespeare's Othello, George Eliot's Silas Marner, Macaulay's Essay on Lord Clive, and Webster's First Bunker Hill Oration.

### MATHEMATICS.

1. Arithmetic, including the Metric System.
2. Algebra, including Quadratic Equations. The requirements in this study are intended to include the treatment of Radicals, and will be most nearly met by the use of Wells' University Algebra.
3. Plane Geometry—Wentworth.

### LATIN.

1. Latin Grammar—Allen and Greenough's, or Harkness'.
2. Daniell's Latin Prose Composition.
3. Four books of Cæsar's Commentaries.
4. Six Orations of Cicero.
5. Six books of Vergil's Æneid.

## GREEK.

1. Greek Grammar—Hadley and Allen's, or Goodwin's.
2. The equivalent of Jones' Greek Prose Composition—20 Lessons.
3. Greek Reader.
4. Four books of Xenophon's Anabasis.
5. Three books of Homer's Iliad.

## HISTORY.

1. History of Rome.
2. History of Greece.
3. Elements of United States History.

## SCIENCE.

1. Geography—Descriptive, Political and Physical.
2. The student is recommended to read some elementary work on Physics and Physiology, also Morse's First Book in Zoölogy, Gray's How Plants Grow, and Dana's Geological Story Briefly Told. This reading should be done before entering upon the studies of the Sophomore Year. The necessary books can be obtained in the University Library.

In any of the subjects of examination, satisfactory equivalents will be accepted instead of the text-books named.

**II. THE PHILOSOPHICAL COURSE.**

I. THE LATIN DIVISION.—To enter the Latin Division of the Philosophical Course, the candidate must sustain an examination in the above named studies, except Greek, and in Elementary Physics and Physiology.

II. THE GREEK DIVISION.—To enter the Greek Division of the Philosophical Course the candidate must sustain an examination in the above named studies, except Cicero and Vergil and in Elementary Physics and Physiology.

**III. THE SCIENTIFIC COURSE.**

To enter the Scientific Course, the candidate must sustain examination in English Grammar, Elements of Rhetoric, English Composition, Arithmetic, including the Metric System, Algebra, through Quadratic Equations and Plane Geometry; Latin Grammar, Latin Composition (Daniell's Part I, or an equivalent), Cæsar's Latin Commentaries, Four Books; Elementary Physics, Physiology and Hygiene, and Botany; Geography, Mathematical, Political and Physical; History of the United States, General History and Civil Government.

**CONDITIONAL ADMISSION.**

A candidate failing to pass in one or more of the subjects required for admission may, at the discretion of the Faculty, be admitted to his class conditionally, to make up his deficiencies by extra study. When they are made up, he will be received into full standing in his class.

**SPECIAL STUDENTS.**

Young men who do not desire to take a full regular course can enter and select special shorter courses, with the sanction of the Faculty; but in all cases satisfactory examinations must be passed upon the subjects required for admission to the Freshman Class of the course from which they intend to select.

Students who have completed a course of study in preparatory schools of high grade may be admitted upon the certificate of the Principal of the school

from which they come. Blank forms may be obtained by addressing the Registrar.

Graduates from Bucknell Academy in the Classical Course, or in the Scientific Course, will be admitted to the corresponding course in College upon the certificate of the Principal of the Academy.

### TO ADVANCED STANDING.

I. **GENERAL REQUIREMENTS.**—A proportionate increase of age is requisite for admission to advanced classes, over that required for admission to Freshman standing. Other general requirements are the same as for admission to the Freshman Class.

II. **PARTICULAR REQUIREMENTS.**—Candidates for admission to advanced classes are examined both as for admission to Freshman Standing, and also in the studies that have been pursued by the class which they desire to enter.

### LOCAL EXAMINATION FOR ADMISSION.

Arrangements have been made for conducting entrance examinations at Philadelphia, Pittsburg, Harrisburg and Scranton. Those intending to present themselves for examination at either of these places should inform the President of the University of their intention, and the necessary information as to details will be furnished.

These examinations will be held Friday, June 17th, 1892.



## COURSES OF STUDY.

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The following Courses of Study may be pursued in the College :—

I. **THE CLASSICAL COURSE** extends through four years, and aims to furnish a liberal education in the classics, the sciences, the arts, and literature. It comprises, substantially, the studies of the established college curriculum, with the addition of such branches as modern life seems to demand. The studies in the Freshman and Sophomore years are all required ; in the Junior and Senior years two studies each term are required, and an elective is permitted from three others. Students who have satisfactorily pursued this course are admitted to the degree of Bachelor of Arts.

II. **THE PHILOSOPHICAL COURSE**, with Latin or Greek, in each of its two divisions, also extends through four years, and aims to furnish a thorough training in advanced studies to those who desire to pursue but one of the Ancient Languages. This course contains five terms of such language study, be it of Latin or Greek, most of the other studies of the Classical Course, with some addition of Scientific subjects. Students pursuing this course, recite, as far as possible, with classical students. Those who have satisfactorily completed the studies of the course are admitted to the degree of Bachelor of Philosophy.

III. **THE SCIENTIFIC COURSE** extends through four years, and is substantially the same as the Philosophical Course, with the substitution of additional Mathematical and Scientific studies for Latin and Greek. Those who have completed the course are admitted to the degree of Bachelor of Science.

In the selection of optional studies in the above courses, the choice must be made with the approbation of the Faculty.

IV. **THE ECLECTIC COURSE** is not limited to any definite time, and does not lead to any degree. It is designed to furnish advanced instruction in literature, science, and the arts to students who do not intend to pursue a regular course of study, but desire to select certain branches. The College will furnish special students with such studies as they may elect only at times announced in the Curricula, found on another page. Every student is required to select at least three studies from those taught during any given term, and these are to be pursued at the same time. Students will not be allowed to pursue studies for which they are not fully qualified by their previous training. A certificate will be given by the President at any time, stating what studies have been completed and the grade attained in them. This certificate will be accepted as equivalent to an examination, provided the holder, at any time, prefers to be transferred to either of the regular courses.

V. **ADVANCED COURSES** in Literature, Philosophy and Science have been established, leading respectively to the degrees of Master of Arts, Master of Philosophy and Master of Science. These courses are open to graduates of Bucknell University. Particulars may be learned by addressing the President.

# CURRICULA.

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## I. CLASSICAL COURSE.

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### FRESHMAN YEAR.

- |                                                                                                                                                 |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| I. TERM—Geometry and Trigonometry,<br>Cicero de Senectute et de Am.,<br>Lysias' Orations,<br>Greek Prose Composition,<br>Lectures on the Essay. | Practical Ethics,<br>Hygiene,<br>Elocution,<br>English Composition. |
| II. TERM—Algebra,<br>Livy,<br>Herodotus and Thucydides,<br>Greek Testament.                                                                     | Derivatives,<br>Elocution,<br>English Composition.                  |
| III. TERM—Analytical Geometry,<br>Tacitus and Pliny,<br>Odyssey,<br>Greek Testament.                                                            | Chemistry,<br>Elocution,<br>English Composition.                    |

### SOPHOMORE YEAR.

- |                                                                    |                                                           |
|--------------------------------------------------------------------|-----------------------------------------------------------|
| I. TERM—General Chemistry,<br>Horace,<br>Rhetoric.                 | Linear Perspective,<br>Elocution,<br>English Composition. |
| II. TERM—Animal Physiology,<br>Demosthenes,<br>English Literature. | Greek Oratory,<br>Elocution,<br>English Composition.      |
| III. TERM—Botany,<br>Juvenal,<br>German.                           | Mineralogy,<br>Elocution,<br>English Composition.         |

### JUNIOR YEAR.

- |                                                                                                                                                        |                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| I. TERM—Mechanics,<br>French,<br><i>Sophocles and Euripides</i> , or<br><i>German</i> , or<br><i>Surveying</i> .                                       | Philosophy of Education,<br>Orations,<br>Elocution.   |
| II. TERM—Physics,<br>Logic,<br><i>Latin Poets</i> , or<br><i>French</i> , or<br><i>Differential Calculus</i> .                                         | Electricity and Magnetism.<br>Orations,<br>Elocution. |
| III. TERM—Astronomy,<br><i>Plato's Apology and Crito</i> , or<br><i>Physics</i> , or<br><i>Integral Calculus</i> , or<br><i>Analytical Chemistry</i> . | English Versification,<br>Orations,<br>Elocution.     |



## SENIOR YEAR.

- |                                                                                                                                                |                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| I. TERM—Psychology,<br>Geology,<br><i>Seneca and Lucretius</i> , or<br><i>History of Mediæval Europe</i> , or<br><i>Practical Astronomy</i> .  | Periods in English Prose,<br>Orations,<br>Extemporaneous Speaking.          |
| II. TERM—Philosophy,<br>Economics,<br><i>Demosthenes de Corona</i> ,<br><i>History of Modern Europe</i> , or<br><i>Quantitative Analysis</i> . | Anthropology,<br>Sanitary Science,<br>Orations,<br>Extemporaneous Speaking. |
| III. TERM—Ethics,<br>Civics,<br><i>Quintilian and Cicero</i> , or<br><i>English Oratory</i> , or<br><i>Applied Chemistry</i> .                 | Evidence of Christianity,<br>Orations,<br>Debate.                           |
- 

## II. PHILOSOPHICAL COURSE.

## FRESHMAN YEAR.

- |                                                                                                                                                       |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| I. TERM—Geometry and Trigonometry,<br>German, and<br><i>Cicero de Senectute et de Am.</i> , or<br><i>Lysias' Orations</i> ,<br>Lectures on the Essay. | Practical Ethics,<br>Hygiene,<br>Elocution,<br>English Composition. |
| II. TERM—Algebra,<br>German, and<br><i>Livy</i> , or<br><i>Herodotus and Thucydides</i> .                                                             | Derivatives,<br>Elocution,<br>English Composition.                  |
| III. TERM—Analytical Geometry,<br>German, and<br><i>Tacitus and Pliny</i> , or<br><i>Odyssey</i> .                                                    | Chemistry,<br>Elocution,<br>English Composition.                    |

## SOPHOMORE YEAR.

- |                                                                                                    |                                                           |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| I. TERM—Chemistry,<br>Rhetoric, and<br><i>Horace</i> , or<br><i>Xenophon's Memorabilia</i> .       | Linear Perspective,<br>Elocution,<br>English Composition. |
| II. TERM—Animal Physiology,<br>English Literature,<br>Analytical Geometry,<br>English Composition. | Greek Oratory, or<br>Physiology,<br>Elocution,            |
| III. TERM—Botany,<br>Analytical Chemistry, and<br><i>Juvenal</i> , or<br><i>Demosthenes</i> .      | Mineralogy,<br>Elocution,<br>English Composition.         |



## JUNIOR YEAR.

- |                                                                                                                                                         |                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| I. TERM—Mechanics,<br>French, and<br><i>Greek Drama</i> , or<br><i>German</i> , or<br><i>Surveying</i> , or<br><i>Zoölogy</i> .                         | Philosophy of Education,<br>Orations,<br>Elocution.   |
| II. TERM—Physics,<br>Logic, and<br><i>Latin Poets</i> , or<br><i>French</i> , or<br><i>Quantitative Analysis</i> , or<br><i>Differential Calculus</i> . | Electricity and Magnetism,<br>Orations,<br>Elocution. |
| III. TERM—Physics,<br>Astronomy, and<br><i>Plato</i> , or<br><i>Integral Calculus</i> , or<br><i>Biology</i> .                                          | English Versification,<br>Orations,<br>Elocution.     |

## SENIOR YEAR.

- |                                                                                                                                                   |                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| I. TERM—Psychology,<br>Geology, and<br><i>Seneca and Lucretius</i> , or<br><i>History of Medieval Europe</i> , or<br><i>Practical Astronomy</i> . | Periods in English Prose,<br>Orations,<br>Extemporaneous Speaking.          |
| II. TERM—Philosophy,<br>Economics, and<br><i>Demosthenes de Corona</i> , or<br><i>History of Modern Europe</i> , or<br><i>Economic Geology</i> .  | Anthropology,<br>Sanitary Science,<br>Orations,<br>Extemporaneous Speaking. |
| III. TERM—Ethics,<br>Civics, and<br><i>Quintilian and Cicero</i> , or<br><i>English Oratory</i> , or<br><i>Comparative Anatomy</i> .              | Evidence of Christianity,<br>Orations,<br>Debate.                           |

## III. SCIENTIFIC COURSE.

## FRESHMAN YEAR.

- |                                                                              |                                                                     |
|------------------------------------------------------------------------------|---------------------------------------------------------------------|
| I. TERM—Solid Geometry and Trigonometry,<br>German,<br>French,<br>Chemistry, | Practical Ethics,<br>Hygiene,<br>Elocution,<br>English Composition. |
|------------------------------------------------------------------------------|---------------------------------------------------------------------|
- Lectures on the Essay.

- |                                                                                   |                                                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------|
| II. TERM—Algebra,<br>German,<br>French,<br>Literature.                            | Derivatives,<br>Elocution,<br>English Composition. |
| III. TERM—Analytical Geometry,<br>German,<br>French,<br>Descriptive Anthropology. | Chemistry,<br>Elocution,<br>English Composition.   |

**SOPHOMORE YEAR**

- |                                                                              |                                                           |
|------------------------------------------------------------------------------|-----------------------------------------------------------|
| I. TERM—Rhetoric,<br>Chemistry,<br>Surveying.                                | Linear Perspective,<br>Elocution,<br>English Composition. |
| II. TERM—English Literature,<br>Animal Physiology,<br>Differential Calculus. | Physiology,<br>Elocution,<br>English Composition.         |
| III. TERM—Botany,<br>Analytical Chemistry,<br>Integral Calculus.             | Mineralogy,<br>Elocution,<br>English Composition.         |

**JUNIOR YEAR.**

- |                                                                                                                     |                                                       |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| I. TERM—Mechanics,<br>German,<br>Zoölogy.                                                                           | Philosophy of Education.<br>Orations,<br>Elocution.   |
| II. TERM—Physics,<br>Logic, and<br><i>French, or</i><br><i>Quantitative Analysis, or</i><br><i>Economic Botany.</i> | Electricity and Magnetism,<br>Orations,<br>Elocution. |
| III. TERM—Physics,<br>Astronomy,<br>Biology.                                                                        | English Versification,<br>Orations,<br>Elocution.     |

**SENIOR YEAR.**

- |                                                                                                             |                                                                             |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| I. TERM—Psychology,<br>Geology, and<br><i>History of Mediæval Europe, or</i><br><i>Practical Astronomy.</i> | Periods in English Prose.<br>Orations,<br>Extemporaneous Speaking.          |
| II. TERM—Philosophy,<br>Economics, and<br><i>History of Modern Europe, or</i><br><i>Economic Botany.</i>    | Anthropology.<br>Sanitary Science,<br>Orations,<br>Extemporaneous Speaking. |
| III. TERM—Ethics,<br>Civics, and<br><i>English Oratory, or</i><br><i>Comparative Anatomy.</i>               | Evidence of Christianity.<br>Orations,<br>Debate.                           |

# LECTURES.

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## THURSDAY MORNINGS.

The following Courses of Thursday morning Lectures have been established. The lectures are given immediately after the Chapel exercises, and are for one hour each.

### SENIOR CLASS.

- I. TERM—Professor Perrine on Periods in English Prose.
- II. TERM—The President on Anthropology.
- III. TERM—The President on Christianity.

### JUNIOR CLASS.

- I. TERM—The President on the Philosophy of Education.
- II. TERM—Professor Owens on Electricity and Magnetism.
- III. TERM—Professor Perrine on English Versification.

### SOPHOMORE CLASS.

- I. TERM—Professor Bartol on Linear Perspective.
- II. TERM—Professor Castle on Greek Oratory, or  
Professor Groff on Physiology.
- III. TERM—Professor Groff on Mineralogy.

### FRESHMAN CLASS.

- I. TERM—Professor Groff on Hygiene, (half term).  
Professor Perrine on the Essay and Oration, (half term).
  - II. TERM—Professor Bartol on Derivatives.
  - III. TERM—Professor Owens on Chemistry.
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## MONDAY MORNINGS.

### SENIOR CLASS.

During the second term, Professor Groff will deliver a course of lectures on Sanitary Science.

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### SPECIAL LECTURES BY PROFESSOR GROFF, 1892.

During the third term of the year, Professor Groff will offer courses in Apiculture and Horticulture. These lectures will be elective, and open to all

students of the University. The aim will be to teach Bee-keeping and Horticulture in a scientific and practical manner, giving the latest achievements in these pursuits.

The lectures will be given in Bucknell Hall, on such days and hours that will enable the students from all departments to attend.

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### SPECIAL LECTURES AND ADDRESSES, 1890-91.

The following special lectures and addresses were delivered the past year before the students of the University :

- I. Principal A. J. Davis, A. M.; lecture on "Alaska."
- II. John Gundy Owens, A. M.; lecture on "The Snake Dances of the Zuni Indians."
- III. E. A. Woods, D. D.; sermon on "Day of Prayer for Colleges."
- IV. Duncan MacGregor, D. D.; sermon before the Christian Associations.
- V. Duncan MacGregor, D. D.; lecture on "Great Men."
- VI. Rev. Russell H. Conwell; lecture on "Heroism of a Private Life."
- VII. T. Edwin Brown, D. D.; sermon before the Education Society.
- VIII. President A. H. Strong, D. D., LL. D.; lecture on "Vergil, the Poet of the Roman Empire."
- IX. Chauncey B. Ripley, LL. D.; address before the Alumni Association.
- X. John B. Gough Pidge, D. D.; address to the Graduating Class, College.



## DEPARTMENTS OF INSTRUCTION.

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The method of instruction in the College is partly by text-books, and partly by lectures, according to the nature of the subject discussed. Each Professor has his individual mode of imparting knowledge, and this, in the result, is advantageous to the learner. In general, the aim is to discuss each subject as far as possible as the subject matter requires, yet all branches are presented practically, comparatively, and historically, with the view of leading the student to the apprehension of the subject as a whole, and in its organic relations, and not to fill the memory with the phraseology of a text-book. The range and character of the instruction can be most accurately gathered from the following account of the different departments.

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### I. ELOCUTION AND ORATORY.

The Aim is to train the student to speak effectively either in the pulpit or upon the platform or at the bar. Each student receives individual attention during the first half of the course in Elocution, during the latter half in Oratory.

Each member of the Freshman Class is required to present two declamations each term. A prize contest is held in the second term.

Each member of the Sophomore Class is required to present one declamation each term. A public exhibition in declamation is given in the first term of each year.

Each member of the Junior Class pronounces two orations in every term. During the year there are three public exhibitions, the last of which is a prize contest.

One oration a term is required from every member of the Senior Class, and two of these are delivered publicly. A prize for the best oration on Commencement day is offered.

Special attention is paid to Debates and Extemporaneous Speaking. During the third term of the Junior year, debates will be held on assigned topics; and during the Senior year, exercises in debate and extemporaneous speaking will be held in connection with the lectures on Anthropology and Social Science.

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### II. THE ENGLISH LANGUAGE AND LITERATURE.

#### PROFESSOR PERRINE.

The aim is to cultivate the power and habit of (1) accurate thinking, (2) correct and effective composition, (3) intelligent criticism of leading English authors; and to acquire (4) a scientific knowledge of the Origin and Development of the English Language. To this end,

I. **LOGIC** is required in the second term of the Junior year, and in both its branches, (1) Formal and (2) Applied, is discussed by text-book, class disputations, and references for collateral reading. McCosh's Logic is the text used.



II. **RHETORIC** is pursued in the first term of the Sophomore year. Genung's Practical Rhetoric, and Rhetorical Analysis are used as a basis; and the student will be required, in addition, to present analyses of themes, criticisms of plans, and exercises in all the forms of Composition discussed.

III. **ENGLISH LITERATURE** is pursued in the second term of the Sophomore year, and only the representative authors of each successive period are studied. Less attention is paid to the text-book than to a critical reading, in the class, of the best work of each author; and as helps to this end, such texts as Skeat's Prologue to Canterbury Tales, Deighton's Shakespeare, Arnold's Wordsworth, etc., are used, with Emery's Notes on English Literature as a basis. The student will be urged to know, rather than to know about, English Literature.

IV. **ENGLISH ORATORY.**—A careful study of the English Orators will be made, as far as time will permit, with reference to the peculiarities of each period and especially to those of the present day. Clarke's Political Orations is recommended, and special work will be required in Quintilian's Institutes and Cicero de Oratore. As this is one of the electives of the third term in the Senior year, there will be opportunity for an extended course. The Library has recently been enriched in this department.

V. **THE ESSAY AND THE ORATION.**—Lectures are given to the Freshmen on "The Essay and the Oration," as an especial preparation for the practical work of the course, and supplementary to the work assumed to have been done in the preparatory schools.

VI. **ENGLISH VERSIFICATION.**—On the successive Thursday mornings of the third term, a course of lectures is given to the Junior Class on English Versification as shown in Tennyson.

VII. **ENGLISH PROSE.**—A critical study of the development of English Prose, using Garnett's English Prose from Elizabeth to Victoria, with class essays.

VIII. **ESSAYS AND ORATIONS.**—The Freshmen are required to present two essays in the first term, and three in the second and third terms, respectively; the Sophomores, three essays each term; the Juniors, two orations, and the Seniors one oration each term. The orations presented at the exercises of Junior Exhibition and Commencement will be received as two of the required orations. Both Essays and Orations are criticised with the author, if necessary.

IX. **MIDDLE ENGLISH.**—The study of Skeat's Specimens of English Literature, 1394-1579, of Skeat's Piers the Plowman, of Sweet's Middle English Primer, with special reference to the development of the language.

X. **ANGLO-SAXON.**—A course in the study of Anglo-Saxon will be offered as an "honor" in the first term of the Senior year.

XI. **SPECIAL STUDIES** in prominent authors, as the needs and attainments of the class may require. Last year the term was occupied in a study of the Ancien Riwle and the Ormulun.

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### III. THE LATIN LANGUAGE AND LITERATURE.

PROFESSOR ROCKWOOD.

The study of Latin is required throughout the Freshman year and in the first and third terms of the Sophomore year. It is elective in the second term

of the Junior and in the first and third terms of the Senior year. Honor courses may be pursued in any term except the first term of the Freshman year.

The courses offered and the methods of instruction employed are designed to give the student accuracy and facility in translating Latin into correct, idiomatic English; the ability to read and appreciate the text in the original; and a general acquaintance with Roman Literature, History, and Archæology. To secure these results special attention is paid in the earlier part of the course to grammatical study; oral and written composition based upon the text; translation at sight and at hearing. In the latter part, literary and historical topics suggested by the authors read are given greater prominence and furnish the basis for lectures by the instructor and reading and investigation on the part of the class. Lectures on the manners and customs of the Romans are illustrated by wall pictures, plates, and photographs.

The following courses are offered :

1. Cicero : *De Senectute* and *De Amicitia*. Translation at sight. Review of special topics in Latin Grammar. Oral and written exercises in Prose Composition. First term, Freshman year.
2. Livy : Books XXI and XXII. Selections from Book I, at sight. Latin Composition. Roman History : Special chapters in Liddell. Second term, Freshman year.
3. Tacitus : *Germania* and *Agricola*. Pliny : Selections from the Epistles. Latin Composition. Selections from Tacitus and Pliny, at sight. Capes' Early Empire. Lectures. Third term, Freshman year.
4. Horace : Satires, Odes, and Epistles. Prosody. Latin Composition. Translation at sight. Historical outlines of the Latin Language and Literature. Lectures on Roman life in the time of Augustus. First term, Sophomore year.
5. Juvenal : Selected Satires. Translation at sight. Roman History : Capes and Merivale. Roman Antiquities : Lectures. Third term, Sophomore year.
6. Latin Poets : Selections from Catullus, Tibullus, Propertius, and Ovid. Lectures. Second term, Junior year.
7. Philosophical writers : Selections from Cicero, Seneca, and Lucretius. Lectures on Greek Philosophy. Papers on special topics by members of the class. First term, Senior year.
8. Quintilian : Books X and XII. Cicero : *Brutus*. Translation at sight will form a special feature of this course.

#### HONOR COURSES IN LATIN.

1. Cicero : *De Officiis* ; Selected Letters ; *De Oratore*.
2. Plautus and Terence : Selected Plays. Allen's Remnants of Early Latin. Wordsworth's Fragments and Specimens of Early Latin.
3. Selections from Ovid and Vergil.
4. Tacitus : *Annales* and *Historiæ*. Suetonius : *De Vita Cæsarum*. Cæsar : *De Bello Civili*.
5. Latin Hymns. Tertullian : The Apology.

The following books are used : Kelsey's *Cicero de Senectute et de Amicitia* ; Lord's Livy ; Tyler's Tacitus ; Holbrooke's Pliny ; Lincoln's Horace ; Lindsay's Juvenal ; Crowell's Selections from Latin Poets ; Hurst and Whiting's



Seneca; Kelsey's Lucretius; Frieze's Quintilian; Kellogg's Cicero's *Brutus*; Fowler's Plautus; West's Terence; Allen and Greenough's Ovid; Peck's Suetonius; March's Latin Hymns; March's Tertullian; Allen and Greenough's and Harkness' Latin Grammars; Harpers' Latin Dictionary.

## IV. THE GREEK LANGUAGE AND LITERATURE.

### PROFESSOR CASTLE.

#### I. PREPARATION.

It is expected that the student in his preparatory course has mastered the Attic forms, the most common principles of syntax, the "principal parts" of the most common irregular verbs, and the correct writing of simple Greek sentences. He ought also to be able to read the Greek text fluently and to understand short Greek sentences when spoken to him. To facilitate this end, it is recommended that the Greek text be read orally from the beginning of the study of the language, and that composition in Greek be continued through the whole of the preparatory course. Much help may be obtained from "Natural" and "Inductive" methods. While a definite amount of the *Anabasis* and *Iliad* is elsewhere stated as required, yet quality of work is preferred to quantity. It is desired that the preparatory course be made as far as possible a mastery of the principles of the *language*, that the literature and civilization of the Greeks may occupy the larger part of the student's attention in his subsequent study.

#### II. AIM AND METHODS.

The first end sought is an accurate and thorough knowledge of the language as a means of discipline to the mind and as the key to the literature. The first part of the Freshman year is devoted largely to grammatical topics in connection with the authors read. But the student is encouraged to gather facts and to formulate principles from the text rather than to memorize the standard grammars. Translation in idiomatic English is required, yet as near as possible to the literal of the original. Translation at sight and at hearing is practiced during the whole course at such times as the needs of various classes seem to require. All possible inducements are offered to make the student self-reliant and independent in his work.

The literature, history, social and political ideas of the Greeks, their position in ancient civilization and relation to modern life and thought, are topics which occupy a very important part of the work in this department. In this way it is sought to inspire a living interest in the civilization of ancient Greece, to show the essential unity of history, and to encourage the study of ancient life for the lessons which it has for the present time.

#### III. COURSES.

1. *LYSIAS*.—Selected orations are read almost exclusively as a study of *language*. Review of the more difficult parts of Greek Grammar. Special attention to the translation and syntax of the Greek verb. Weekly exercises in Greek Prose Composition; these exercises are based upon the text read. Occasional written translations and examinations. First term, Freshman year.

2. **HERODOTUS AND THUCYDIDES.**—Selected portions of one or both authors. Peculiarities of the dialect of Herodotus. Formation and derivation of words. Literal translation. Reading of assigned portions of standard Greek histories. Second term, Freshman year.

3. **HOMER.**—Odyssey, Books 1, 2, 9-12. Dialect, metre, syntax, style. Topics for investigation assigned to members of the class. The object sought is to help the student to understand and to appreciate, rather than to criticise, the Homeric Poems. Third term, Freshman year.

4. **XENOPHON.**—Selected portions of the *Memorabilia*. The life of Socrates. For students in the Philosophical course. First term, Sophomore year.

5. **DEMOSTHENES.**—*Olynthiacs* and *Philippics*. History and politics of the Macedonian Period. Lectures upon the Attic Orators to give a general idea of Greek oratory and to show the comparative excellence of the oratory of Demosthenes. Second term, Sophomore year.

6. **THE GREEK DRAMA.**—Sophocles or Euripides. For the present the *Oedipus Tyrannus* is read. The origin and development of the drama, the Greek theatre, and the metres of the drama. First term, Junior year.

7. **PLATO.**—The *Apology* and *Crito*. Philosophy and religious ideas of Socrates. The Sophists. Topics for investigation in standard authors. Extracts from the *Memorabilia* at sight. Third term, Junior year.

8. **DEMOSTHENES.**—*De Corona*. Designed to supplement course 5 and to make a critical study of the oratory of Demosthenes from both a literary and political point of view. Second term, Senior year.

9. **NEW TESTAMENT GREEK.**—One of the Gospels and some of the Epistles. A course in rapid reading designed to familiarize the student with the style, so that he may continue to read the Greek New Testament throughout his College course. Second and third terms, Freshman year, weekly.

#### IV. HONOR COURSES IN GREEK.

10. **XENOPHON'S SYMPOSIUM.**

11. **ODYSSEY.**—Supplemental to course three.

12. **ORATORS.**—Selected orations from the Attic Orators.

13. **PLATO'S PROTAGORAS OR GORGIAS.**

14. **GREEK COMEDY.**—*Clouds* of Aristophanes.

15. **NEW TESTAMENT GREEK.**—Supplemental to course nine.

#### V. TEXT-BOOKS.

Stevens' *Select Orations of Lysias*; Mather's *Selections from Herodotus and Thucydides*; Merry's *Odyssey, Books 1-12*; Seymour's *Introduction to the Language and Verse of Homer*; Tyler's *Olynthiacs and Philippics*; White's *Oedipus Tyrannus*; Dyer's *Plato's Apology and Crito*; Wynans' *Memorabilia and Symposium*; D'Ooge's *De Corona*; Humphreys' *Clouds*; Towle's *Protagoras*; Scrivener's or Wescott and Hort's *Greek Testament*; Hadley and Allen's *Greek Grammar*; Liddell and Scott's *Greek Lexicon*.

## V. MODERN LANGUAGE.

PROFESSOR LOOMIS.

In the Classical Course there are daily recitations in both French and German for a period of thirteen weeks. Attention is given, first, to the elements of Grammar; afterwards, to the critical reading of some of the masterpieces of either language. The method of instruction is inductive as well as deductive, and as large a proportion of attention as can profitably be so devoted within the limitations of a college course is aimed to be given in both languages to practical exercises. These embrace considerable drill in colloquial speech and an extended course in French and German Composition.

In both divisions of the Philosophical Course the study of German is continued as a daily recitation through the Freshman year. The students in the Scientific Course likewise take French as a daily recitation through the Freshman year. Other divisions of the Scientific Course recite French with Classical students.

French and German may each, as optional studies, be pursued by all students in a daily recitation for an additional term. In place of German, Spanish may be substituted, and Italian in place of French.

## VI. MEDIÆVAL AND MODERN HISTORY.

PROFESSOR LOOMIS.

A somewhat extensive acquaintance with Ancient History is a requirement for admission. The historical course in College is devoted, first, to the History of Mediæval Europe, with a view to ascertaining the principles which have governed its social and political development; secondly, to the History of Modern Europe, with the object of showing how have been evolved the form and character of its states as they now exist. The method of study is a varied one, being by text-book, lectures, and topics assigned for individual research. These courses, extending each as a daily study through one term, are elective for Seniors.

## VII. MATHEMATICS AND ASTRONOMY.

PROFESSOR BARTOL.

**SOLID GEOMETRY.**—The course will correspond in general to the treatment of this subject by Seth T. Stewart in his *Plane and Solid Geometry*. It includes the study of lines and planes in space, solids with plane surfaces, the spherical triangle, and common forms of solids with curved surfaces, such as the cone, the cylinder, and the sphere.

The student is required to demonstrate the theorems of the text-book. But a prominent part of the course is the original demonstration of additional theorems, and applications in the solution of numerical problems.

**TRIGONOMETRY.**—The course includes Plane Trigonometry, with applications to problems in mensuration and surveying, and Spherical Trigonometry, with some applications to problems in nautical astronomy.

Functions of the angles are considered as ratios. The method of representing these functions by lines, and the use of these lines in investigating the relations of the functions, is discussed at some length. Time is given to the numerical illustration of principles, for the purpose of making sure that the meaning and use of formulæ, demonstrated and learned, is thoroughly understood.

**HIGHER ALGEBRA.**—The topics discussed are ratio and proportion, variation, progressions, permutations and combinations, binomial theorem, undetermined coefficients, summation of series, logarithms, general theory of equations, and the solution of higher numerical equations. Some time is given to the graphical representation of the relations of quantities. As a means to clear and concise proofs of the binomial theorem, logarithmic series, and exponential series, the elementary theory of derivatives is introduced in a course of lectures.

**ANALYTICAL GEOMETRY.**—The student will be taken through the elementary properties of the right line and the conic sections. There will be in addition, a brief discussion of the general equation of the second degree, some important higher plane curves, and loci in space. The course is intended to give a clear conception of the method of Cartesian Analysis, rather than an extensive knowledge of its results.

**SURVEYING.**—Fourteen weeks are given to this subject. In chain surveying full directions are given for measuring and ranging out lines, for making and reducing field notes, and for plotting. In compass and transit surveying a careful study of the necessary instruments is made. The student is taught their adjustments and the best methods of reducing their errors. He is instructed in the various ways of obtaining the proper data in the field, for his work, and in the best tests of the accuracy of his field notes. He is made acquainted with the variations of the compass, and such tables and methods are furnished him as will enable him to establish, with some precision, his geographical meridian, and undertake the retracing of old lines. The system practiced by the government in the survey of public lands is fully set forth. Under the subject of city surveying full directions are given with respect to grades, sewers, the establishment of permanent reference points and the adjustment of property lines. Under mine surveying, in connection with those things peculiar to this branch, directions are also given for running contours and sketching topography. Some observations are made for latitude and time.

**DIFFERENTIAL CALCULUS.**—This course proceeds throughout upon the method of infinitesimals, but for purposes of comparison, the student is instructed also in the method of limits. The course includes the differentiation of algebraic and transcendental functions, the development of functions into series, evaluation of undetermined forms, determination of maxima and minima, and applications to the theory of curves. The rules and principles are illustrated and enforced by numerous examples of a practical character.

**INTEGRAL CALCULUS.**—The course includes the methods of integration by parts, by substitution and rationalization, by successive reductions, and by series. There are some applications of integration to plane curves, to plane areas, and to certain volumes. The utility of this analysis is exemplified by the solution of a variety of problems in mechanics and astronomy.



**ASTRONOMY.**—The required course is completed with the subject of General Astronomy, but the aim is to treat astronomy not merely as an application of mathematics, but as a science which forms an essential part of a finished education. This subject is taught by text-book, with illustrations in the observatory, and some lectures. There is free use by the student of the ten-inch equatorial telescope, to verify the statements of descriptive astronomy.

**PRACTICAL ASTRONOMY.**—Observations are made for time, and to determine the errors of the transit instrument. The use of the micrometer is taught and the value of one revolution of its screw is determined experimentally. The adjustments of the equatorial for correct position are made. Observations are made for azimuth, and for latitude and longitude. The student is required to make all such astronomical observations as are requisite in a practical acquaintance with the subject of geodetic surveying, and to reduce his notes in the use of the nautical almanac and methods of reduction not involving the calculus. Time is given to calculations of eclipses and star occultations.

The following books are used: Crawley's Elements of Trigonometry; Wells' University Algebra; Peck's Analytical Geometry; Peck's Practical Calculus; Carhart's Plane Surveying; Olmsted's College Astronomy; Loomis' Practical Astronomy.

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## VIII. CHEMISTRY.

PROFESSOR OWENS.

**PHYSICS.**—The course in Physics extends through the Junior year, supplemented by a course of lectures on Electricity and Magnetism. The first term is devoted to the study of the mechanics of solids, liquids, and gases; during the second term, sound, light and heat are taken up, while the third term is devoted to Magnetism and Electricity. This latter course is optional in the Classical, and required in the Philosophical and Scientific courses. In the class-room the text-book and lecture methods are combined, each point being illustrated as far as possible by experiment.

Students who desire, may take an experimental course in the Laboratory, devoting about five hours a week to laboratory work. Such work is taken in addition to the required class-room work, and if a grade of nine or more is attained, the work is credited as an "Honor Study."

Students who have completed the general course in Physics and the experimental course, may take up special lines of investigation under the direction of the Professor.

**DESCRIPTIVE CHEMISTRY** is taught by text-book and lectures. The object of the course is to give the student a general knowledge of the most common elements, their sources, use, compounds and behaviour towards other elements and compounds, and to drill the student in writing formulæ and solving chemical equations. To accomplish this, each student will be expected to spend at least five hours each week in the Laboratory, studying the characteristics and reactions of the elements and their compounds, and performing the more simple experiments outlined in the text and lectures. Notes will be kept by each student, describing the experiment and giving the equation which

represents the reactions taken place. The Professor will from time to time examine the note-books, and make such suggestions as he thinks helpful.

In order to give those who have not studied Chemistry in their preparatory course a general idea of the aims and scope of the subject, and the methods by which it is studied, a course of experimental lectures is delivered to the Freshmen during the third term.

**ANALYTICAL CHEMISTRY** is open to those only who have completed, and been examined in, Descriptive Chemistry. In this course, students examine sixty known solid and liquid substances, noting their various reactions. They are then given unknown substances, several in one mixture, which they are required to determine. The course is completed when sixty unknown mixtures have been determined and correctly reported.

**APPLIED CHEMISTRY**, covering some topics in Medical Chemistry and Toxicology, Soil Analysis, Water Analysis, Organic Analysis and Analysis of Iron Ores, can be pursued by those who have completed the other two courses.

**QUANTITATIVE ANALYSIS** comprises those determinations which will be most useful to the student of general culture. It also offers to the specialist an opportunity to become acquainted with the methods of separation and manipulation. It is open to those who have taken General and Analytical Chemistry.

Students wishing to follow special lines of investigation, can do so under the direction of the Professor.

A society for chemical research holds meetings weekly to discuss questions in Chemistry and Physics.

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## IX. ORGANIC SCIENCE.

PROFESSOR GROFF.

**PHYSIOLOGY, HYGIENE AND SANITARY SCIENCE.**—The great importance of these studies is recognized. Instruction is given by means of text-books and lectures. In the Freshman year students in all the courses of study are required to attend a course of lectures on topics pertaining to personal hygiene. The object of this course is to show to students how they should live during the college course in order to maintain the highest degree of good health. In the Sophomore year, there is given to the students of all the courses, a series of lectures on Animal Physiology. It is the aim of these lectures to teach the elements of Anatomy and Physiology in a comparative manner, in the belief that better work can be done, than by confining the attention to the human subject alone. This course is illustrated by means of a French manikin, an excellent skeleton, numerous dry and wet preparations and fresh specimens. There has recently been executed, under the direction of Professor Groff, a large number of charts designed to facilitate the pursuit of these studies. In the Senior year, there is delivered a course of lectures on Sanitary Science, in which drainage, heating and ventilating, disposal of waste, contagious diseases, sanitary regulations, and other topics which interest modern sanitarians are discussed. This course is followed by special lectures (if requested by the class) on the sexes. In the Senior year, a course in comparative anatomy is offered to students in the Course, as an elective.



**BOTANY.**—There is no study which, when rightly pursued, can better develop and strengthen the perceptive powers of the mind than Botany. This work is taken up first in the Sophomore year, after the students have studied General Chemistry, thus preparing them to understand the lectures on Plant Physiology. After a few weeks spent in the study of botanical terms and the anatomy of plant tissues, studied from plants and charts, the student commences to analyze plants. At first this is done in the class-room. Each student has the same plant, and also a blank schedule which requires an exhaustive analysis of the root, stem, leaf, flower and fruit. Students read off the characters of the plant from the plant itself, following the order of the schedule. In a few days they are able to do this readily. They may then perform the analyses in their rooms. As an evidence of work done, the analyses are required to be written out in ink, and students cannot pass in the study until one hundred and twenty-five of these are presented. The botanical text-book is used only for its key, by means of which the name of the plant is found, but the name is, by this method, the last thing obtained; all the visible characters are first studied. This course is supplemented with lectures on the elements of Plant Anatomy and Plant Physiology. To advanced students, additional work in Botany will be offered. Charts, compound microscopes and dried specimens comprise the available equipment for this work. All students are required to take the first course in Botany. Courses in Economic Botany and Horticulture are offered as elective studies in the Junior year, Scientific Course.

**BIOLOGY.**—A course in Biology is offered in the Junior year to students in the department of Science. The course will consist of lectures and laboratory work. Advanced work is offered to students prepared. A small charge will be made for material used.

**ZOOLOGY.**—In this study, instruction by text-book and lectures is combined with laboratory practice. The Laboratory is provided with material and with compound microscopes sufficient in number to afford opportunity to each student of devoting several hours a week to practical work. A small charge is made for the use of instruments. This course and the one in Biology are recommended to students looking forward to the study of medicine.

An advanced course devoted to original research is offered to students qualified.

**DETERMINATIVE GEOLOGY AND MINERALOGY.**—Instruction is given by text-book and lectures, and supplemented by laboratory practice. The course opens with laboratory work in Mineralogy and Lithology. Each student is expected to collect and to label correctly all the minerals and rocks within a radius of several miles of the College. All accessible fossils are carefully studied. Instruction in Field Geology is given in the field. The collection of minerals belonging to the College has been re-arranged with special reference to this work. A course in Blowpipe analysis is offered to advanced students, and is recommended to all who desire a reliable knowledge of minerals. In the Senior year, an elective in Economic Geology is offered to students of the Scientific Course. A small charge is made for material consumed.

## X. ECONOMICS AND POLITICS.

PROFESSOR PERRINE.

**ECONOMICS** is considered as the science of exchanges, and is followed into its practical applications in manufacturing, banking, national credit, and interna-

tional commerce with illustrations from well-known facts and current events. It is insisted that any stable system of economy must find its foundation in ethical principles.

There will be held daily recitations from Marshall's "Economics of Industry" and Andrews' "Institutes of Economics," supplemented by lectures, and by debates on the part of the class.

**POLITICS** is considered as the science of government, but not in any partisan spirit. The different forms and theories of government are presented with historical examples; following which the Constitution of the United States is analyzed and the position of our government with reference to questions both foreign and domestic, is investigated in its historical development, much original work being required. Wilson's "The State," and Johnston's "History of the United States," are recommended, but the work done will be outlined by lectures.

The views of prominent socialists of the past and the present are presented in a series of lectures, with discussions of the various theories advanced, reference being made to Laveleye's Socialism of To-day, Rae's Contemporary Socialism, Ely's French and German Socialism, and the best magazine literature on the subject.

## XI. MENTAL AND MORAL SCIENCE.

### PRESIDENT HARRIS.

The studies in this department are pursued in the Senior year and embrace Psychology, Philosophy, Anthropology, Ethics and Evidences of Christianity.

Daily recitations are had in Psychology during the first term of the Senior year. Bowne's Psychology is used as a guide to the student in interpreting the facts of his own consciousness. All the definitions are tested by the Socratic method of investigation and informal expository lectures upon the topics discussed in the text-book. Students are required to pursue an extensive course of collateral reading in works which can be obtained in the Library of the College. The course of reading for 1892 will consist of designated portions of Ladd's "Physiological Psychology," Sully's "Outlines of Psychology," and Porter's "Human Intellect." Oral discussions on assigned topics are held, in which every member of the class is required to take part. Frequent written examinations and theses on assigned subjects, test and deepen the student's knowledge. An honor course in Hamilton's "Lectures on Metaphysics" is offered to the Seniors during the Fall term.

The Seniors, in the second term, pursue the study of Philosophy, following, substantially, the same method as in the study of Psychology. Each student is required to pursue a course of reading in the History of Philosophy, and to report upon his work to the class. The course includes a general acquaintance with the life and teachings of Socrates, Plato, Aristotle, Descartes, Locke, Leibnitz and Kant. An honor course in Lotze's "Grundzüge der Psychologie" is offered for the Winter term.

Lectures on Practical Ethics are given to the Freshmen in the first term of the course. The Seniors, the last term of the course, pursue the study of

Ethics, inquiring into the fundamental principles of the science. Robinson's "Principles of Morality" is used as the basis of instruction. The student reads and reports on designated portions of the works of Plato, Aristotle, Kant, Butler, Janet, Wuttke, Strong, and other leading authorities in Ethics and the Philosophy of Religion. An honor course in Bowne's "History of Modern Philosophy" is offered for the Spring term.

In the second and third terms of the Senior year, a course of lectures is given on Theism, covering the topics that are at present occupying the attention of thoughtful men.

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### SCHEDULE FOR 1892-93.

1. Psychology. Bowne's Introduction.  
Readings in Ladd's Physiological Psychology and in Porter's Human Intellect.  
Seniors. First term. Five hours.
2. Honor Course. Hamilton's Metaphysics.  
Seniors. First term.
3. Philosophy of Education. Lectures.  
Juniors. First term. One hour.
4. Metaphysics. Lotze's Outlines.  
Seniors. Second term. Three hours.
5. History of Philosophy.  
    (a) Grecian. Zeller. Lectures and Theses.  
    (b) Modern. Lectures and Theses.  
Seniors. Second term. Two hours.
6. Honor Course. Grundzüge der Psychologie. Lotze.  
Seniors. Second term.
7. Philosophy of Theism. Lectures.  
Seniors. Second term. One hour.
8. Ethics. Robinson's Principles. Lectures and Readings.  
Seniors. Third term. Five hours.
9. Honor Course. Bowne's Modern Philosophy.  
Seniors. Third term.
10. Anthropology. Lectures.  
Seniors. Third term. One hour.



# LIBRARIES AND APPARATUS.

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## THE LIBRARIES AND READING-ROOM.

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*Librarian:* PROFESSOR FREEMAN LOOMIS, PH. D.

*Assistants:* EPHRAIM M. HEIM, WILLIAM B. SHEDDAN.

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**THE COLLEGE LIBRARY.**—The general library contains upwards of 12,000 volumes. A reading-room is connected with it. During term-time, both are open forenoon, afternoon and evening of each day, Sundays and holidays excepted, and both are maintained at the expense of the University without extra charge to students. Students are allowed to draw two books at one time and to retain them for two weeks.

The library has now entirely outgrown its former accommodations, but the completion of the new Laboratory building has left vacant the large adjoining room, which is now used for library purposes.

The library is regarded as a working laboratory for all departments of instruction, students being constantly cited to it in class-room work. It is in this way made to answer, not merely the purposes of general culture, but to supplement, in great measure, the monographic treatment of text-book study, and the student is trained under competent guidance to become his own investigator. The resulting practical acquaintance with books and bibliography is certain to prove a valuable part of liberal education. That the demands thus made upon it may be met, it is the purpose to have the library so systematized that all its resources on any given subject shall be at once available. To secure this end, all books will be arranged on the shelves according to the most approved decimal system. A card catalogue will be prepared, making an alphabetical index to the whole collection. This work is already under way and will be rapidly pushed to completion.

During the past year, valuable contributions have been received from Mrs. James H. Little; Mrs. Craig Lippincott; Mrs. Harry S. Hopper; Professor Charles S. James, Ph. D.; B. Griffith, D. D.; President Harris; His Excellency, the Governor of Pennsylvania; The Honorable Secretary of the Interior; Hon. Louis E. Atkinson; The MacKellar, Smiths & Jordan Co.; Hon. Alfred Hayes; The Smithsonian Institute.

**THE THETA ALPHA SOCIETY'S LIBRARY** has recently been deposited in the University library, and contains about 600 volumes.

**THE EUEPIAN SOCIETY'S LIBRARY** has lately been presented to the University, and contains about 550 volumes.

**THE LIBRARY OF THE YOUNG MEN'S CHRISTIAN ASSOCIATION** consists mainly of works relating to Missions and Missionary fields, and contains about 300 volumes. This collection has also been presented to the University.



**THE READING-ROOM.** in connection with the general library, is maintained at the expense of the University. By purchase or by contribution, its tables are supplied with the current numbers of between seventy and eighty publications, including the leading scientific, literary and philological reviews, journals of art, and papers of the day.

On shelves adjoining the tables of the reading-room are placed encyclopedias, dictionaries, maps, gazetteers, indices and complete sets of such reviews as *The North American*, *Edinburgh*, *London Quarterly*, *Popular Science Monthly* and *Littel's Living Age*.

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## THE MUSEUM.

The College possesses a good collection of illustrative materials in Botany, Mineralogy, Geology and Zoölogy. The specimens are distributed under these classifications and that of Archæology as follows :

|                      |               |
|----------------------|---------------|
| Botany . . . . .     | 1,350         |
| Mineralogy . . . . . | 3,000         |
| Geology . . . . .    | 1,550         |
| Zoölogy . . . . .    | 4,450         |
| Archæology . . . . . | 525           |
| Total . . . . .      | <u>10,875</u> |

Additions to the Museum will always be thankfully received, especially of objects which can be used in the class-room.

Among these may be mentioned : Zoölogical specimens, especially marine and fresh-water forms of life, insects, skeletons of vertebrated animals, birds and mammals, botanical specimens, crystalized minerals, American and especially Pennsylvania rocks.

Contributions have been received for the Museum, during the past year, from William H. Beck, Esq., of Washington, D. C.; Elton S. Corson, of Beesley's Point, N. J.; Dr. W. B. Stoner, Northumberland; Mr. W. C. Gretzinger, Lewisburg; Samuel Marshall, West Chester; Rev. J. G. Miles, Allenwood; Professor George G. Groff, Lewisburg; Nelson Davis, of Seeley, N. J.; Charles Koonce, Jr., of Lewisburg; W. L. Kauffman, of Paxton; Charles Shaffer, of Lewisburg; W. B. Pimm, of Flemington, N. J.; Rev. W. H. Ellis, of Lewisburg. Also, a valuable meteorite, discovered September 25, 1891, near Williamsport, weighing seven pounds and composed almost wholly of iron, with slight traces of nickel, has been presented by Mr. George S. Matlack, class of 1870.

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## THE ART COLLECTION.

The beginning has been made of a collection of paintings, casts, engravings and heliotypes, for the illustration of the Fine Arts. The specimens now in possession of the College number about five hundred, of all kinds, and furnish very considerable aid in illustrating the principles and the history of painting and sculpture.

## LABORATORY AND APPARATUS.

**THE NEW CHEMICAL AND PHYSICAL LABORATORY** affords superior advantages in the study of Chemistry and Physics. The class in Physics has the option of working in the Laboratory. Those electing laboratory work will be required to devote at least five hours a week to this part of the subject. Several different rooms have been especially fitted up to render them suitable for studying, by means of experiments, the subjects of Sound, Light, Heat and Electricity. Most of the apparatus necessary for experimenting in these branches is now provided and others will be added as occasion may demand.

The commodious experiment room for Descriptive Chemistry will accommodate ninety-six students in two sections. Each student is provided with a desk three feet ten inches long, having upon it gas, water, basin with waste, steam and hood for carrying off foul gases. The most frequently used chemicals and pieces of apparatus will be supplied to each student, to be retained by him during the term, and kept under lock and key. The infrequently used materials will be placed on a table to be used in common by all the students.

In the lecture-room, hoods and ventilating flues enable the Professor to perform experiments involving the generation of foul odors without vitiating the air of the room. All modern conveniences are placed upon the lecture table, as gas, steam, oxygen, hydrogen, exhaust air under pressure, etc. A projecting lantern of the most improved type, made by Newton & Co. (London, Eng.), charts and specimens are freely used to illustrate the subject under consideration.

In the Analytical rooms, the most perfect opportunity for individual work is afforded, throwing each student upon his own responsibility in order to accomplish the most complete development. Students are encouraged, when sufficiently advanced, to devise tests and methods of separation other than those mentioned in the text-book, and thus to cultivate the habit of original investigation. Last year two superior balances were added to the equipment.

The Physical and Chemical Library has a room on the second floor, and offers facilities for the complete investigation of subjects in Physics and Chemistry. A number of scientific periodicals are taken so that the most recent thought and investigation in any line of work is accessible at any time.

The student is expected to pay for materials used and apparatus broken. To meet this a deposit will be made at the beginning of the term with the Registrar, and the unexpended balance will be returned at the close of the term.

The Laboratories will be open from 8:30 A. M. to 5 P. M. daily, except Saturday, Sunday and legal holidays.





## GENERAL COLLEGE ORDERS.

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### ATTENDANCE.

Only under exceptional circumstances will excuse be granted to leave College during term time. In such cases the examinations on the studies gone over by the class, during a student's absence, will be specially searching, and a high degree of attainment will be exacted. One who is absent during an entire term must almost necessarily lose his standing in his class. The work of the term begins on the day of opening, and recitations are expected at the first hour appointed for the meeting of the classes. The work continues uninterruptedly, with the exception of holidays marked in the Calendar, until the last day of the term.

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### STANDING.

Each instructor records, in numbers ranging from 0 to 10, the character of the recitations of every student reciting to him, and notes also any delinquency in conduct and attendance. The weekly summary of these markings is recorded in a permanent book, and constitutes the basis for determining the standing of the student during his connection with the Institution. Unexcused absences from recitation are counted as zeros in making up the weekly averages. At the close of each term an average of these marks is made out, and a report of the scholarship, attendance and conduct of each student is transmitted to his parent or guardian by the President. No student is advanced from one class to another whose average in any study is less than seven.

Conditioned students are not recommended to the Board of Trustees for promotion, and their names in the Annual Catalogue appear with those of the class to which the study in question belongs. Students conditioned on entrance must discharge such conditions within the first year thereafter.

Appointments in the Graduating Class are made according to the aggregate standing of each member during his entire course. But in assigning these parts, the Faculty take into account the deportment of the student, as well as marks for recitations. The minimum average for an Oration of the First Class is fixed at 9, and for an Oration of the Second Class, at 8.

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### EXAMINATIONS.

The dates of the examinations are given in the Calendar. In case a student fails to be present at the examination of his class, for any justifiable reason, his examination will be held at such time as the Faculty may appoint.

## PUBLIC WORSHIP.

The College duties of each day are opened with religious services in Bucknell Hall, which all the students are required to attend.

Attendance upon public worship in some Church in town on Sunday morning is required. Students must attend the religious services held on Thanksgiving Day.

On the Day of Prayer for Colleges, religious services are held in the forenoon, and a sermon is preached by the President, or by some one at his request. All the students are required to attend. In the afternoon a prayer-meeting is held in Bucknell Hall, and in the evening another, in connection with one of the churches in town, attendance upon which is urged, though not required.

There is maintained by the students a prayer-meeting on Tuesday evenings, attendance on which is optional.

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## VOLUNTARY SOCIETIES.

**EUEPIA; THETA ALPHA.**—These are the two Literary Societies in College. They have meetings on Friday evening of each week for Orations, Essays and Debates. Each Society has a convenient Hall and a valuable Library, and, by an arrangement of the Faculty, will always have a nearly equal number of members.

**THE YOUNG MEN'S CHRISTIAN ASSOCIATION** comprises students from the College. It receives religious periodicals and corresponds with kindred Societies. A new Hall has recently been appropriated to the Society, and has been suitably furnished for religious meetings.

**THE STUDENTS' PUBLISHING ASSOCIATION** is an organization which has in charge the issuing of the "University Mirror." This periodical of some twenty-four or more quarto pages appears monthly during the collegiate year.

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## GOVERNMENT.

It is expected that all who enter the courses of study in the College do so for the purpose of acquiring an education, not only of the intellect, but also of character. The Laws of the college, enacted by the Board of Trustees, are as few and simple as the proper regulation of a community of young men will permit. These are printed, and a copy is placed in the hands of every student at the beginning of each year. These Laws must be observed, not only in their letter, but in their spirit. The atmosphere of the Institution is not that of arbitrary restraint, but of reasonable conformity to reasonable laws. The College does not wish to place its stamp or bestow its honors upon any one who is not willing to deport himself as a gentleman. Each student is distinctly placed upon his manhood, and if he abuses his privileges, after reasonable caution, he must withdraw from the Institution.

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## PRESIDENT'S OFFICE HOURS.

The President of the University is in his office, in the Main College building, every Tuesday from 9:30 A. M. to 12 noon, to confer with students who may desire advice or assistance. Students are encouraged to communicate frankly with the President upon any subject in which he may be of help to them.

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## HEALTH AND PHYSICAL CULTURE.

**THE TUSTIN GYMNASIUM**, recently opened, affords opportunity for physical exercise in the winter and during inclement weather at other seasons. Mr. Charles William Allen is the Director of the Gymnasium, and gives training in class exercises with light apparatus to the students of the College and Academy. The ladies receive physical training in the Gymnasium Hall of the Institute.

**THE ATHLETIC ASSOCIATION** of the College has been formed to encourage and regulate athletic sports. Considerable liberty is permitted to the Association in carrying out its purpose. The Association is not allowed, however, to arrange match games with other similar bodies without first having secured the consent of the Faculty.



## AIDS AND HONORS.

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### PRIZES.

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#### THE JOHN M. FINN PRIZES.

Mr. John M. Finn, of Philadelphia, of the Class of 1854, has established :

A First Prize, either in money or books, which is offered to the student who gives evidence of having the best ability to go on with the studies of the Freshman Year, and a Second Prize to the next best. These prizes are awarded, upon examination, at the close of the Fall term. The examination is based upon the subjects in Greek, Latin and Mathematics pursued by the class during the term, and is conducted by Professors of other institutions.

The First Prize for the year 1890-91 was awarded to Franklin Reese Strayer, and the Second to Mary L. Bartol, both fitted for College at Bucknell Academy.

Committee of Award, Prof. A. P. Montague, Ph. D., Columbian University; Prof. R. S. Colwell, A. M., of Denison University, and Prin. George M. Phillips, Ph. D., of West Chester State Normal School.

#### PRIZE FOR DECLAMATION.

A prize is awarded to the member of the Freshman Class who shall excel in declamation at the Annual Contest of the Freshman Class.

This prize was awarded in 1891 to Theodore Heysham.

#### THE WILLIAMS PRIZE.

The Rev. Charles L. Williams, of Upland, Pa., has established an annual prize to be given that member of the Freshman Class who shall, on or before the first day of June in each year, present the best essay upon a topic to be selected by the Professor of Rhetoric. The Committee of Award will consist of the Professor of Rhetoric and two others to be designated by the Faculty.

The topic for the current year is "The Plot in George Eliot's *Silas Marner*."

This prize was awarded for the year 1891, to Theodore Heysham.

#### THE PRIZE OF THE CLASS OF '71.

This prize, established by the Class of 1871, consists of the sum of twelve dollars, to be awarded to the student of the Freshman Class who shall prove himself best prepared for College in the two branches, Latin and Mathematics, and who shall have received his preparatory training in Bucknell Academy.

This prize for 1890 was awarded to Franklin Reese Strayer.

#### THE DAVID HENRY EVANS PRIZE.

In memory of his deceased classmate, David Henry Evans, Rev. Henry M. Wolf, Jr., of the Class of 1880, has established an annual prize of ten dollars to be awarded to that member of the Sophomore Class who shall write the best

English composition on an assigned subject. The Committee of award consists of the President, the Professor of Rhetoric and one other chosen by themselves.

The subject for the year 1892 is "Shakespeare's Rosalind and Celia Compared." The compositions are limited to 2,000 words, and must be presented to the Committee on or before the first day of June.

This prize was awarded in 1891 to Arthur Fremont Gardner.

#### THE FOWLER PRIZE.

The Rev. F. K. Fowler, Class of 1869, has established an annual prize of fifteen dollars to be awarded to that member of the Junior Class who shall pronounce the best oration at the Junior Exhibition in Oratory.

This prize was awarded in 1891, to Andrew Robert Elmer Wyant.

#### THE HERBERT TUSTIN PRIZES.

In memory of his deceased son, the late Professor F. W. Tustin, Ph. D., of the Class of 1856, paid to the Trustees of the University the sum of five hundred dollars, "as the foundation of the HERBERT TUSTIN PRIZE FUND, the interest of which is to be forever paid annually as two prizes, in the proportion of fifteen dollars for the First Prize, and of ten dollars for the Second Prize, to the two students of the Senior Class who shall have attained the highest and the second highest standing in Psychology and Ethics (under such regulations for the pursuit of these studies as the Faculty of the College shall prescribe from time to time), and whose conduct for the last two years of their course in College shall have been without exception."

The first prize was awarded 1891, to Ralph Charles Henry Catterall, and the second to Almon Odell Stevens.

#### CHAPLAIN J. J. KANE PRIZE.

The Rev. James J. Kane, Chaplain in the United States Navy, and a graduate of the Theological Department of this University of the Class of 1867, has established a Prize Fund of one thousand dollars, the interest of which is to be given annually to that member of the graduating class who delivers the best oration on Commencement Day.

This prize was awarded last Commencement to Almon Odell Stevens.

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## SCHOLARSHIPS.

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### I. THE BUCKNELL SCHOLARSHIPS.

The William Bucknell Scholarships, twenty in number and of one thousand dollars each, were established for the purpose of aiding worthy young men in securing an education which will increase their usefulness in the world. The income of these scholarships is to be paid annually to twenty young men, in accordance with the rules which will be made known upon application to the Committee of Examination, consisting of the President of the University, H. S. Hopper, Esq., and Professor F. E. Rockwood.

### II. SCHOLARSHIPS FOR MINISTERS' CHILDREN.

Scholarships upon the general foundation have been established for the children of ministers of the Gospel, of all denominations, in active service.



### III. ANNUAL SCHOLARSHIPS.

A number of persons have established annual scholarships for the aid of young men or women attending College. Information concerning ministerial and annual scholarships can be obtained from the President of the University.

### HONOR EXAMINATIONS.

In order to promote special scholarship in the several studies taught in the College, the following provision has been made :

1. Any student who has attained an aggregate average of nine in all the studies of the previous term, may take special work in any department of the College, under the direction of the Professor in that department.
2. Such work must be assigned by the Professor, and the method of study prescribed by him.
3. If the student shall attain an aggregate average of nine in all the studies of the current term, and pass a satisfactory examination in the voluntary study before a committee appointed by the Faculty, the work shall be credited to him in the Annual Catalogue of the College.
4. But one such study shall be pursued by any one student during any one term.
5. The Professor under whom the student is working shall have the privilege of requiring a partial examination on the work done at any time during the term, and there may be regular recitations, at the Professor's option.
6. The amount and quality of this extra work shall be taken into the account in awarding honors at graduation.

The following Honor Examinations have been sustained during the past year :

**WITH PRESIDENT HARRIS :** Ralph Charles Henry Catterall, in Lotze's *Grundzüge der Psychologie*, and in Bowne's *Modern Philosophy*.

**WITH PROFESSOR GROFF :** Andrew Robert Elmer Wyant, in Zoölogy; George Elmer Fisher and Foster Henry Starkey, in Mineralogy and Lithology.

**WITH PROFESSOR BARTOL :** Homer Dowlin and George Shorkley in Calculus.

**WITH PROFESSOR PERRINE :** George Washington Wagenseller, in Chaucer; Arthur Fremont Gardner and Ephraim M. Heim, in Middle English.

**WITH PROFESSOR ROCKWOOD :** Franklin Reese Strayer, in Cicero *de Officiis*; Andrew Freeman Anderson and Joseph Roberts Wood, in Ovid.

**WITH PROFESSOR CASTLE :** Llewellyn Phillips, De Corona of Demosthenes; Mary L. Bartol, Odyssey (two terms); Franklin Reese Strayer, Xenophon's *Memorabilia*; Mary L. Bartol, Robert Bailey Davidson and Adam Martin Wyant, in Xenophon's *Symposium*.



## EXPENSES.

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The Study Rooms are so arranged that two students occupy the same study. The Dormitories are intended to accommodate only one person, so that each student has his own private sleeping room. These are furnished with new spring bedsteads. The student must supply himself with all other furniture. Students are responsible for damage to their rooms, whether it be done when they are present in the room or absent from it.

The College charges amount to eighty dollars per annum, and are apportioned as follows :

|                                           | <i>Per Annum.</i> |
|-------------------------------------------|-------------------|
| Tuition . . . . .                         | \$50 00           |
| Room-rent, Fuel and Incidentals . . . . . | 30 00             |
|                                           | \$80 00           |

These charges must be paid in advance at the beginning of each term.

No student is entitled to his place in his class until he has made settlement with the Registrar.

A slight additional charge is made for rooms cared for by the Institution.

No deduction will be made except in case of protracted illness.

If a student occupy a study by himself, the charges for room-rent and private fuel will be doubled. The assignments are for one year, and are made the first Monday morning in June, immediately after the devotional exercises in Bucknell Hall. Students from a distance will save inconvenience by applying to the Registrar for a room before the term opens.

Free scholarships, covering tuition, are also provided in all the Departments of the University for children of Ministers of the Gospel, *in actual service*.

In the laboratories students pay for chemicals used and for apparatus broken or damaged. In the Chemical Laboratory this will amount to about \$12.00 for Analytical and \$2.75 for General Chemistry, depending upon the care of the student. Before entering upon the experimental courses students must deposit with the Registrar security for materials used.

The Expenses for Music and Printing for Examinations and Anniversary occasions are paid by the classes for which such expenses are incurred. Graduation fee and Diploma, five dollars. Degree of Master of Arts and Diploma, five dollars.

Many students board in clubs at a cost of from \$2.00 to \$2.25 per week. Excellent boarding can be obtained in private families at \$3.00 or \$4.00 per week, or at the table of the Bucknell Academy at \$3.00 per week. Washing is done at 25 cents per week. No boarding is allowed in the College Buildings. It will be a matter of economy to bring some articles of furniture, especially bedding and carpets, from home. The dimensions of the study rooms are twelve by twelve feet ; of the dormitories, twelve feet by six feet ; of the bedsteads, seventy-five inches by thirty inches.

For information respecting the College, address the President, John H. Harris, Ph. D., LL. D.

# FORTY-FIRST ANNUAL COMMENCEMENT.

Wednesday, June 24, 1891.

## HONORS AT GRADUATION.

*The Latin Salutatory:* RALPH CHARLES HENRY CATTERALL.

*The Valedictory Addresses:* ALMON ODELL STEVENS.

### ORATIONS OF THE FIRST CLASS.

ALMON ODELL STEVENS,  
FOSTER HENRY STARKEY,  
MARGARET ORWIG EVANS,  
GEORGE ELMER FISHER,

RALPH CHARLES HENRY CATTERALL,  
ROBERT BURR DUNMIRE,  
JACOB HENRY MINICK,  
HERBERT COOPER DONAT.

### ORATIONS OF THE SECOND CLASS.

ABRAHAM LINCOLN MOORE,  
PAUL TUSTIN,

CHARLES FOSTER CAMPBELL,  
HARVEY WILSON DOUGLASS KIRKENDALL.  
JOHN THOMAS HYATT.

## MASTER'S ORATION.

HARRY MCCORMICK KELLY.

## DEGREES CONFERRED.

### I. IN COURSE.

#### BACHELOR OF ARTS.

CHARLES FOSTER CAMPBELL,  
RALPH CHARLES HENRY CATTERALL,  
ROBERT BURR DUNMIRE,  
HERBERT COOPER DONAT,

MARGARET ORWIG EVANS,  
ABRAHAM LINCOLN MOORE,  
FOSTER HENRY STARKEY,  
ALMON ODELL STEVENS,

PAUL TUSTIN.

#### BACHELOR OF PHILOSOPHY.

GEORGE ELMER FISHER,  
JOHN THOMAS HYATT,

HARVEY WILSON DOUGLASS KIRKENDALL,  
CLAUDIUS GRIMSLEY LANGFORD,

JACOB HENRY MINICK.

#### MASTER OF ARTS.

ADDISON BARTHOLOMEW BOWSER,  
JAMES SCOVEL BRAKER,  
WILLIAM HENRY CLIPMAN,  
GEORGE WASHINGTON HATCH,  
REUBEN CREIGHTON HOLLENBAUGH,  
LINCOLN HULLEY,

DANIEL MORRIS JONES,  
HARRY MCCORMICK KELLY,  
ROBERT BROWN MCDANEL,  
THOMAS PROSSER MORGAN,  
OLIVER KLINE PELLMAN,  
JEREMIAH PAUL PONTIUS.

### II. HONORARY.

#### DOCTOR OF DIVINITY.

REV. WILLIAM HAMILTON CONARD, A. M.

#### DOCTOR OF PHILOSOPHY.

PRESIDENT WILLIAM EDWARDS, A. B.

#### DOCTOR OF LAWS.

PRESIDENT HENRY GRIGGS WESTON, D. D.

PRESIDENT AUGUSTUS HOPKINS STRONG, D. D.

# THE ACADEMY.

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## INSTRUCTORS AND OTHER OFFICERS.

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JOHN HOWARD HARRIS, PH. D., LL. D.,

PRESIDENT OF THE UNIVERSITY.

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WILLIAM EMMET MARTIN, A. M., PRINCIPAL,

HISTORY, LATIN AND RHETORIC.

THOMAS FRANKLIN HAMBLIN, A. M.,

GREEK AND ELOCUTION.

ALBERT BURNS STEWART, A. M.,

LATIN AND MATHEMATICS.

LINCOLN HULLEY, A. M.,

ENGLISH AND SCIENCE.

Mrs. ANNIE M. BLACK,

MATRON.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,

REGISTRAR OF THE UNIVERSITY.

# STUDENTS.

## THE FOURTH FORM.

### CLASSICAL.

| NAME.                    | RESIDENCE.              | ROOM.                    |
|--------------------------|-------------------------|--------------------------|
| LEANDER WILBUR BALDWIN,  | <i>Hilltown.</i>        | No. 20, West Wing.       |
| HERVEY HARRIS BOWER,     | <i>Middleburg.</i>      | President Harris.        |
| WILLIAM HENRY BUCHER,    | <i>Sunbury.</i>         | Mr. James Weiser Bucher. |
| HARRY THOMAS COLESTOCK,  | <i>Crooked Creek.</i>   | No. 14, West Wing.       |
| ALEXANDER DOUGLAS,       | <i>Philadelphia.</i>    | No. 22, West Wing.       |
| WILLIAM ELMER HALL,      | <i>Lewisburg.</i>       | Home.                    |
| WILLIAM RAE HARPER,      | <i>Erie.</i>            | No. 12, Main Hall.       |
| HERBERT FREDERIC HARRIS, | <i>Lewisburg.</i>       | President Harris.        |
| THOMAS LEWIS JOSEPHS,    | <i>Lindsey.</i>         | No. 10, West Wing.       |
| FRANCIS JOSEPH LUKENS,   | <i>Germantown.</i>      | No. 15½ West Wing.       |
| ROBERT BURNS MCCAY,      | <i>Northumberland.</i>  | Mary A. McCay, M. D.     |
| EDWARD ARTHUR MORLEY,    | <i>Philadelphia.</i>    | No. 3, West Wing.        |
| HARRY WARREN NICE,       | <i>Philadelphia.</i>    | No. 10, Main Hall.       |
| JOSIAH BOWER SUTTER,     | <i>Lock Haven.</i>      | No. 6, Main Hall.        |
| BERTON BELFORD WARE,     | <i>Millville, N. J.</i> | No. 7, Main Hall         |

## SCIENTIFIC.

| NAME.                    | RESIDENCE.                | ROOM.                  |
|--------------------------|---------------------------|------------------------|
| PHILIP PONTIUS BAKER,    | <i>Lewisburg.</i>         | Mrs. S. J. Baker.      |
| CHARLES JAMES BERGER,    | <i>Philadelphia.</i>      | No. 22, West Wing.     |
| ALFRED HENRY CATTERALL,  | <i>Watsonstown.</i>       | No. 4, Main Hall.      |
| ELWOOD TYSON HADDOCK,    | <i>Media.</i>             | No. 15, West Wing.     |
| CHARLES WARREN LINDIG,   | <i>Lewisburg.</i>         | Mr. C. F. Lindig.      |
| FRANK BARRON MILLER,     | <i>Lewisburg.</i>         | D. Bright Miller, Esq. |
| CLEMENT KEEN ROBB,       | <i>Philadelphia.</i>      | No. 17, East Hall.     |
| LEWIS H. RYON,           | <i>Shamokin.</i>          | No. 15, East Hall.     |
| ROLAND WEBSTER,          | <i>E. New Market, Md.</i> | No. 17, East Hall.     |
| CHARLES EDWARD WHELOCK,  | <i>Hughesville.</i>       | No. 14, East Hall.     |
| WILLIE ALBERT WILKINSON, | <i>Westmont, N. J.</i>    | No. 9, East Hall.      |
| AMOS THOMAS WILLIAMS,    | <i>Ridgway.</i>           | No. 11, East Hall.     |

## THE THIRD FORM.

## CLASSICAL.

| NAME.                        | RESIDENCE.           | ROOM.                 |
|------------------------------|----------------------|-----------------------|
| WILLIAM FREDERICK EICHHOLTZ, | <i>Sunbury.</i>      | J. E. Eichholtz, Esq. |
| VINCENT BARRETT FISK,        | <i>Erie.</i>         | No. 12, Main Hall.    |
| ISAAC BAKER GREEN,           | <i>Philadelphia.</i> | No. 27, West Wing.    |
| FRANK HOLLINSHEAD,           | <i>Philadelphia.</i> | No. 10, Main Hall.    |

| NAME.                     | RESIDENCE.           | ROOM.                |
|---------------------------|----------------------|----------------------|
| EDWARD CHARLES KUNKLE,    | <i>Salladasburg.</i> | No. 14, West Wing.   |
| HERBERT BALDWIN MOYER,    | <i>Norristown.</i>   | No. 20, West Wing.   |
| STEPHEN GIDEON PALMER,    | <i>Medway, N. Y.</i> | Rev. J. W. Reynolds. |
| WILLIAM HAMMOND PARKER,   | <i>Allentown.</i>    | No. 5, Main Hall.    |
| DANIEL WEBSTER PHILLIPS,  | <i>Scranton.</i>     | No. 13, West Wing.   |
| WILLIAM HAMILTON RODGERS, | <i>Allentown.</i>    | No. 11, East Hall.   |
| JOHN CHRISTIAN STOCK,     | <i>Philadelphia.</i> | No. 11, West Wing.   |
| JOHN MCCALMONT WILSON,    | <i>Franklin.</i>     | Mrs. W. R. Funk.     |

## SCIENTIFIC.

| NAME.                    | RESIDENCE.               | ROOM.                |
|--------------------------|--------------------------|----------------------|
| ORVILLE ELIAS BAILEY,    | <i>Washington, D. C.</i> | No. 19, East Hall.   |
| JOHN EVAN BROWNEILL,     | <i>Muncy.</i>            | No. 14, East Hall.   |
| HOWARD RUSSELL BRYSON,   | <i>Watsonstown.</i>      | Mr. William Clingan. |
| ALFRED JOEL FREIGHT,     | <i>Lewisburg.</i>        | No. 8, Main Hall.    |
| ELMER ELLSWORTH FREEMAN, | <i>Lewisburg.</i>        | Mrs. Ann Freeman.    |
| CHARLES BOYD GALLOWAY,   | <i>Moore's.</i>          | No. 12, East Hall.   |
| FRANK HOMER GREENE,      | <i>Huntingdon,</i>       | No. 3, Main Hall.    |
| JOHN MOORE GUNDY,        | <i>Lewisburg.</i>        | Mr. John A. Gundy.   |
| HOWARD LANGLEY GUSS,     | <i>Mifflinburg.</i>      | Mrs. E. M. Guss.     |
| MARK BAKER HALFPENNY,    | <i>Lewisburg.</i>        | Mr. W. S. Halfpenny. |



| NAME.                       | RESIDENCE.             | ROOM.                 |
|-----------------------------|------------------------|-----------------------|
| HENRY HAKES JAMES,          | <i>Hartford, Conn.</i> | No. 13, East Hall.    |
| MILTON LOEB,                | <i>Sunbury.</i>        | Mr. Ferdinand Loeb.   |
| GEORGE LEWIS MEGARGEE,      | <i>Coatesville.</i>    | No. 19, East Hall.    |
| CHARLES WATSON RITTER,      | <i>Mifflinburg.</i>    | Hon. James R. Ritter. |
| HARRY THOMAS SPRAGUE,       | <i>Lewisburg.</i>      | Mr. John Sprague.     |
| ROBERT FITZSIMMONS TRAINER, | <i>Williamsport.</i>   | No. 9, East Hall.     |
| HOWARD JONES WILLIAMS,      | <i>Ashland.</i>        | No. 8, East Hall.     |

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### THE SECOND FORM.

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| NAME.                    | RESIDENCE.            | ROOM.                |
|--------------------------|-----------------------|----------------------|
| FURMAN DANIEL BECKNER,   | <i>Lewisburg.</i>     | Mrs. Mary Beckner.   |
| JOHN HENRY BOOTH,        | <i>Reynoldsville.</i> | No. 3, West Wing.    |
| ABBOTT GREEN BUCHER,     | <i>Lewisburg.</i>     | Hon. J. C. Bucher.   |
| WILLIAM STERETT CLINGAN. | <i>Lewisburg.</i>     | Mr. William Clingan. |
| EDWARD FLINT,            | <i>Philadelphia.</i>  | No. 13, East Hall.   |
| BLAKELY GRAHAM,          | <i>Chester.</i>       | Mrs. R. J. Graham.   |
| MORRIS CRAMER GUNDY,     | <i>Lewisburg.</i>     | Mr. C. V. Gundy.     |
| WILLIAM C. GUTH,         | <i>Philadelphia.</i>  | No. 11, West Wing.   |
| EDWARD EVERETT HILLS,    | <i>Erie.</i>          | No. 31, West Wing.   |
| WALTER EDGAR INGRAM,     | <i>Philadelphia.</i>  | No. 18, East Hall.   |

| NAME.                        | RESIDENCE.           | ROOM.                  |
|------------------------------|----------------------|------------------------|
| JOSEPH G. KRAMER,            | <i>Shamokin.</i>     | No. 6, Main Hall.      |
| ANDREW ALBRIGHT LEISER, JR., | <i>Lewisburg.</i>    | A. A. Leiser, Esq.     |
| JAMES BROWN MARTIN,          | <i>Lewisburg.</i>    | Prin. Wm. E. Martin.   |
| ULYSSES GRANT MORGAIN,       | <i>Treverton.</i>    | No. 20, West Wing.     |
| JOHN ELMER SAUL,             | <i>Uwchlan.</i>      | No. 7, Main Hall.      |
| ABBOTT WALLS SMITH,          | <i>Lewisburg.</i>    | Mr. J. C. Smith.       |
| JOSEPH THOMPSON SNYDER,      | <i>Lewisburg.</i>    | Miss Kate J. Thompson. |
| JOHN PRIESTLEY TAGGART,      | <i>Savannah, Ga.</i> | No. 10, East Hall.     |
| FRED WARD WAGNER,            | <i>Bradford.</i>     | No. 12, East Hall.     |
| JOHN WALLS,                  | <i>Lewisburg.</i>    | Mr. W. C. Walls.       |
| HUGH CARTWRIGHT WILLIAMS,    | <i>Ashland.</i>      | No. 16, West Wing.     |

### THE FIRST FORM.

| NAME.                    | RESIDENCE.        | ROOM.              |
|--------------------------|-------------------|--------------------|
| EDWARD BELL, JR.,        | <i>Lewisburg.</i> | Mr. Edward Bell.   |
| ANDREW CLARENCE BENNETT, | <i>Lewisburg.</i> | Home.              |
| CLIFTON JAMESON EYER,    | <i>Lewisburg.</i> | Mr. Jonathan Eyer. |
| WILLIAM DUGMORE JONES,   | <i>Centralia.</i> | No. 20, East Hall. |
| CLEMENCE PROCTOR REID,   | <i>Milton.</i>    | No. 8, East Hall.  |
| WALDREN BLAND SOBER,     | <i>Lewisburg.</i> | Mr. C. K. Sober.   |
| WILLIAM REMER WERTZ,     | <i>Lewisburg.</i> | Mr. William Wertz. |

## SUMMARY.

|                                      |     |       |
|--------------------------------------|-----|-------|
| The Fourth Form, Classical . . . . . | 15  |       |
| Scientific . . . . .                 | 12  | 27    |
|                                      |     | <hr/> |
| The Third Form, Classical . . . . .  | 12  |       |
| Scientific . . . . .                 | 17  | 29    |
|                                      |     | <hr/> |
| The Second Form . . . . .            | 21  |       |
| The First Form . . . . .             | 7   |       |
|                                      |     | <hr/> |
| Total in Academy . . . . .           | 84  |       |
| In other Departments . . . . .       | 255 |       |
|                                      |     | <hr/> |
| Total in all Departments . . . . .   | 339 |       |

## COURSES OF STUDY.

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The Academy is designed to fit pupils for College, for Teaching, or for Business. It affords two Courses of Study :

I. **THE CLASSICAL PREPARATORY COURSE** extends through four years and is arranged to meet the requirements for admission to College. The study of Latin begins with the Second Form and continues for three years. The study of Greek begins with the Third Form and continues for two years. Notwithstanding the time given to these important branches of study, fully one-half of the time of the entire course is devoted to English, Historical, Mathematical, and Scientific subjects.

II. **THE SCIENTIFIC PREPARATORY COURSE** extends through four years and furnishes adequate preparation for either division of the Scientific Course in College. The First and Second Forms of the Classical and the Scientific Courses are identical. In the Third and Fourth Forms, the student preparing for the Latin Division substitutes Historical and Scientific subjects for the Greek of the Classical Course ; while the student preparing for the Greek Division substitutes the Greek of the Third and Fourth Forms for the Latin and includes the Historical and Scientific subjects.

Students may enter that Form which they are prepared to pursue with profit.

Students who are able to accomplish more work in the allotted time than is required by the Classical Course, are encouraged to add the special studies of the Scientific Course. They may also pursue extra honor work in the Classics by reading, under an instructor's direction, Cæsar's Civil War, Cicero's Letters, or Sallust, and Books IV, V, VI of the Iliad, or the Hellenica.

Students who are preparing for the English Scientific Course in College can elect the necessary studies from the regular Curricula of the Academy.

Students who do not intend to enter College, but who desire a comprehensive academic training will find the Scientific Preparatory Course, with Latin, well adapted to prepare them for teaching or for business.

Transient students may elect such studies as they are qualified to pursue from the studies in actual progress in any given term.

# CURRICULA.

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## I. CLASSICAL PREPARATORY COURSE.

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### FIRST FORM.

- |                                                                            |                                                    |
|----------------------------------------------------------------------------|----------------------------------------------------|
| I. TERM—Arithmetic,<br>English Grammar,<br>Geography,                      | Wentworth,<br>Outlines and Exercises,<br>Appleton. |
| II. TERM—Arithmetic,<br>English Grammar,<br>History of the United States,  | Wentworth,<br>Outlines and Exercises,<br>Barnes.   |
| III. TERM—Arithmetic,<br>English Grammar,<br>History of the United States, | Wentworth,<br>Whitney's Essentials,<br>Barnes.     |

### SECOND FORM.

- |                                                                                        |                                                                  |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------|
| I. TERM—Higher Arithmetic,<br>Latin—Lessons,<br>Grammar,<br>Physical Geography,        | Olney's Science,<br>Tetlow,<br>Allen and Greenough,<br>Appleton. |
| II. TERM—Book-keeping,<br>Latin—Lessons,<br>Grammar,<br>History of Greece,             | Bryant,<br>Tetlow,<br>Allen and Greenough,<br>Myers.             |
| III. TERM—Rhetoric,<br>Cæsar's Commentaries,<br>History of Rome,<br>Elementary Botany, | Hill's Elements,<br>Kelsey,<br>Myers,<br>Gray.                   |

### THIRD FORM.

- |                                                                          |                                                                          |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
| I. TERM—Algebra,<br>Cæsar's Commentaries,<br>Greek—Lessons,<br>Grammar,  | Sheldon's Elements,<br>Kelsey,<br>Boise and Pattengill,<br>Hadley-Allen. |
| II. TERM—Algebra,<br>Vergil's Æneid,<br>Greek—Lessons,<br>Grammar,       | Sheldon's,<br>Greenough,<br>Boise and Pattengill,<br>Hadley-Allen.       |
| III. TERM—Natural Philosophy,<br>Vergil's Æneid,<br>Xenophon's Anabasis, | Sharpless and Philips,<br>Greenough,<br>Kelsey.                          |



**FOURTH FORM.**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>I. TERM—Algebra, Quadratics,<br/>                 Latin—Vergil's <i>Æneid</i>,<br/>                 Prosody,<br/>                 Xenophon's <i>Anabasis</i>,</p> <p>II. TERM—Plane Geometry,<br/>                 Latin—Cicero's <i>Orations</i>,<br/>                 Prose Composition,<br/>                 Homer's <i>Iliad</i>,</p> <p>III. TERM—Plane Geometry,<br/>                 Cicero's <i>Orations</i>,<br/>                 Greek—Homer's <i>Iliad</i>,<br/>                 Prose Composition,</p> | <p>Sheldon,<br/>         Greenough,<br/>         Allen and Greenough,<br/>         Kelsey.</p> <p>Wentworth,<br/>         Allen and Greenough,<br/>         Daniell,<br/>         Seymour.</p> <p>Wentworth,<br/>         Allen and Greenough,<br/>         Seymour,<br/>         Woodruff.</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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**II. SCIENTIFIC PREPARATORY COURSE.****FIRST FORM.**

- |                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>I. TERM—Arithmetic,<br/>                 English Grammar,<br/>                 Geography,</p> <p>II. TERM—Arithmetic,<br/>                 English Grammar,<br/>                 History of the United States,</p> <p>III. TERM—Arithmetic,<br/>                 English Grammar,<br/>                 History of the United States,</p> | <p>Wentworth,<br/>         Outlines and Exercises,<br/>         Appleton.</p> <p>Wentworth,<br/>         Whitney's <i>Essentials</i>,<br/>         Barnes.</p> <p>Wentworth,<br/>         Outlines and Exercises,<br/>         Barnes.</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**SECOND FORM.**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>I. TERM—Higher Arithmetic,<br/>                 Latin—Lessons,<br/>                 Grammar,<br/>                 Physical Geography,</p> <p>II. TERM—Book-keeping,<br/>                 Latin—Lessons,<br/>                 Grammar,<br/>                 History of Greece,</p> <p>III. TERM—Rhetoric,<br/>                 Cæsar's <i>Commentaries</i>,<br/>                 History of England,<br/>                 Elementary Botany,</p> | <p>Olney's <i>Science</i>,<br/>         Tetlow,<br/>         Allen and Greenough,<br/>         Appleton.</p> <p>Bryant,<br/>         Tetlow,<br/>         Allen and Greenough,<br/>         Myers.</p> <p>Hill's <i>Elements</i>,<br/>         Kelsey,<br/>         Myers,<br/>         Gray.</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**THIRD FORM.**

- |                                                                                                                    |                                                                            |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <p>I. TERM—Algebra,<br/>                 Cæsar's <i>Commentaries</i>,<br/>                 History of England,</p> | <p>Sheldon's <i>Elements</i>,<br/>         Kelsey,<br/>         Guest.</p> |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|

II. TERM—Algebra,  
Vergil's *Æneid*,  
Astronomy,

III. TERM—Natural Philosophy,  
Vergil's *Æneid*,  
Physiology,

Sheldon,  
Greenough,  
Sharpless and Philips.

Sharpless and Philips,  
Greenough,  
Walker.

#### FOURTH FORM.

I. TERM—Algebra, Quadratics,  
Latin—Vergil's *Æneid*,  
Prosody,  
English Literature,

II. TERM—Plane Geometry,  
Latin—Cicero's Orations,  
Prose Composition,  
Civil Government,

III. TERM—Plane Geometry,  
Cicero's Orations,  
Geology,

Sheldon,  
Greenough,  
Allen and Greenough,  
Outlines.

Wentworth,  
Allen and Greenough,  
Daniell,  
Cocker.

Wentworth,  
Allen and Greenough,  
Le Conte.



## METHODS OF INSTRUCTION.

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The Preparatory Curriculum naturally falls into six principal lines of study, viz : English, Latin, Greek, History, Mathematics, and Natural Science. These combine, in due proportion, the cultural, the disciplinary and the practical elements of intermediate education. The two great divisions of modern study, the Classical and the Scientific, are accorded adequate and appropriate preparation. The subjects, facilities and methods of the various departments are explained below.

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### I. THE ENGLISH LANGUAGE.

A thorough grounding in the principles of English Grammar is indispensable to the student's progress in the subsequent language studies. The continuous application of this knowledge in Composition, and the constant comparison with the forms and idioms of the Ancient Languages, prepare the way for the study of elementary Rhetoric, and the appreciative reading of English and American Literature. The aim is the clear, elegant and forcible use of the mother tongue as the chief instrument of expression.

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### II. THE LATIN LANGUAGE.

The Inductive Method is used in the elementary instruction. The student investigates the formation of the language. The abstract rules of Syntax are learned from the analysis and synthesis of sentences. Careful drill is given in the declensions and conjugations, the use of the moods and the sequence of tenses, in the ready reading of the Latin text, in sight reading and in accurate translation into idiomatic English. Attention is given to the important personal, historical and political elements in the writings of Cæsar and Cicero. In Vergil, the student is introduced to the poetry, legend, religion, philosophy and art of Rome. He is taught to investigate the allegorical, archæological and mythical allusions of the Æneid, and to appreciate it as the mirror of the life of the Empire. Latin prosody is taught first from the text, and then from the grammar.

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### III. THE GREEK LANGUAGE.

The first half year of the Third Form is spent in acquiring sufficient knowledge of forms and inflections to commence the study of Xenophon's Anabasis. During the last half year, special attention is given to the inflection and syntax

of nouns, pronouns and adjectives. The reading of Xenophon is continued in the first term of the Fourth Year, and the forms and syntax of verbs made a special study. Homer is then read for one term and a half, and the difference between Homeric and Attic forms is noted. During the last half term Xenophon is reviewed, that the student may refresh his knowledge of Attic Greek, and may not find the transition to College needlessly difficult. Almost daily drill is given in turning into Greek, sentences based on the text of Xenophon.

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#### IV. HISTORY.

The course in History includes a survey of the History of the United States, England, Greece and Rome. The aim is not so much to fill the student's mind with a collection of dates, events and personages, as to acquaint him with the life, the genius, the institutions and the achievements of the respective peoples, and their part in the wider history of humanity. Students are encouraged to cultivate the historical imagination; to compare race characteristics, arts and religions; and to appreciate the noble ideals, the heroic struggles and sacrifices, that have imparted imperishable worth to human institutions.

**CIVIL GOVERNMENT** is taught as a preparation for intelligent citizenship. The origin and growth of our institutions, the functions of the various departments of the National, State and local government; the political history of the people; the interpretation and construction of the Constitution, are clearly presented and discussed.

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#### V. MATHEMATICS.

**ARITHMETIC.**—To students who are fitting themselves for business, a course is given in practical business Arithmetic, involving all the ordinary problems and practices in the business world. To those who are preparing for College or for teaching, instruction is given in the theory and science of Arithmetic. Pupils are expected to master the principles and then to formulate their own rules.

**ALGEBRA.**—The course extends through one period daily for one year, and includes a thorough knowledge of the fundamental principles, Factoring, Divisors and Multiples, Fractions, Equations, Involution, Evolution, Theory of Exponents, Radicals and Quadratic Equations. Daily black-board work serves to apply the principles taught. The student is required both to know the methods of the solution of problems and also to explain the operation to the class.

**PLANE GEOMETRY.**—The instruction consists of daily recitations for two terms on the Theorems and Problems given in the text-book, with original demonstration of the same Propositions by the students, from hints and figures given in the class-room. Besides this, considerable attention is given to the solution of original Propositions, and the application of principles thus learned to the solution of numerical problems.

**BOOK-KEEPING.**—A practical introduction to the science of accounts is secured in the term devoted to mastering the principles of Double Entry Book-Keeping.

Careful attention is given to business forms, to the usages of Banks, and to the elements of Commercial Law. The subject may be pursued in its more extended and intricate applications by a second term's work, open to properly qualified students.

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## VI. SCIENCE.

**PHYSICAL GEOGRAPHY** lays a broad foundation for subsequent work in all sciences. It surveys the earth's physiography, climate, atmosphere, fauna, flora, ocean tides and currents, and geological agencies. Special attention is given to the physical features of the United States. The text is illuminated by drawings, photographs, colored and relief maps, and specimens from the Museum.

**BOTANY** is taught by text-book, field exercise, plant analysis and weekly lectures. A brief outline is first obtained of plant structure, physiology, growth, and reproduction. The subject is then reviewed by daily drill in analyzing, recording, classifying, and preserving specimens. The recorded analysis of fifty plants is required. Lectures explaining special forms of vegetable growth, the flora of this country, the cultivation, uses, and history of plants complete the work.

**PHYSIOLOGY.**—Every effort is made to impart clear ideas of the structure, parts and functions of the human body. Special attention is given to the chemistry of foods, the laws of health, the effects of stimulants and narcotics. Suggestions are constantly made as to poisons and their antidotes, the care of the sick, disinfection and sanitation, and accidents and emergencies. Charts, manikin and preparations are used in class.

**NATURAL PHILOSOPHY.**—The student is thoroughly grounded in the elements of mechanics and physics. The apparatus of the College laboratory is available for use. The historical beginnings of each subject, and subsequent development, are sketched in brief lectures. No pains are spared to familiarize the pupil with the laws of these sciences, by instruction, experiment, review, and repeated examination. The truth of principles is proved, except where the demonstration involves the mathematics of the higher course in College.

**ASTRONOMY.**—Descriptive Astronomy discusses the earth's relation to the solar system, the masses, motions and orbits of each member of it; the causes and consequences of at least five motions of the earth; general boundaries of the constellations of the Zodiac and Northern heavens; the accepted theories of comets, meteors and nebulae. Charts, star maps, globes, and other apparatus are used, and the student is afforded privileges of observation in the College observatory.

**GEOLOGY.**—The student here masters the elements of lithological, structural, dynamic, and historical Geology. Specimens of various rocks and minerals are handled in class; their composition, characteristics and place in nature are explained; the structure of the earth in its present form is studied; the history of its evolution, the age and characteristics of its strata, the chief geological features of each continent, and the forces at work, and that have worked to produce change are considered.



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VII. ORATORY.

**CLASS EXERCISES.**—Members of the Fourth Form prepare and deliver two original orations each term. All other students have regular exercises in Composition and Declamation throughout the year. These exercises are held in Bucknell Hall on Saturday mornings, before the assembled faculties and students of the Institute and the Academy. Visitors are cordially welcomed to these exercises.

In addition to the private rehearsals for the work above indicated, all students receive weekly instruction in Elocution. The course includes careful drill in the Elementary Sounds, in Articulation, and in Expression; Analytical Reading, including the Bible and Hymns, and the study of Shakespeare.

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## VIII. SPECIAL BRANCHES.

**BIBLE STUDY.**—The study of the Bible is pursued as a regular weekly recitation throughout the Second, Third and Fourth Forms, in both courses of study. Smith's Smaller Scripture Book is the text-book used. The Second Form have recitations covering the sacred narrative from Genesis to Judges; the recitations of the Third Form complete the Old Testament; those of the Fourth Form complete the New Testament.

**LITERATURE STUDY.**—The reading and study of the masterpieces of English and American Literature is maintained in the Second, Third and Fourth Forms by weekly conferences.

**THE STUDY OF MUSIC** may be pursued by Academic students under the instruction of Professor E. Aviragnet and his Assistants, of the Institute of Music.

**DRAWING.**—All students of the Academy may receive throughout the year weekly lessons in Free-hand Drawing. Special individual instruction in Drawing is afforded at twenty-four dollars per annum.

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## PUBLIC EXHIBITIONS.

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THIRD FORM.

The Public Exhibition of the Third Form in Declamation will take place on Saturday evening, April 30, 1892, in Commencement Hall.

## FOURTH FORM.

The closing exercises of the Academy will be the Public Exhibition of the Fourth Form in Oratory, on Tuesday morning, June 21, 1892.

## GENERAL INFORMATION.

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### ADVANTAGES.

To the student seeking preparation for College, the Academy offers unusual inducements. Its proximity to the College secures to him an atmosphere of study, acquaintance with the guides and companions of his future course, and the benefit of numerous literary exercises to be found only in College towns. He has access to the College Library and Reading-room. The Academy is designed to fit its pupils thoroughly for College, for Business, or for Teaching. It aims to lay broad and solid foundations for all subsequent scholarly culture, and for the successful conduct of every-day affairs.

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### GOVERNMENT.

Students are encouraged to regard self-government as the only true government. It will be the constant endeavor to secure uprightness of character, gentlemanly deportment, and diligent application to work, by kind treatment, and high standards in conduct and study. The Academy cannot knowingly accept or retain incorrigibles.

#### I. ADMINISTRATION.

1. The general control of the Academy is vested in the President of the University.
2. The government of the Academy, subject to such control, rests with the Principal of the Academy.
3. The government of each Hall is vested in the Professor in charge, who resides in the Hall and enforces such regulations as are herein enacted for the regulation of the Hours of Study, Academy Property, Hygienic Precautions and general Deportment, and such other prudential regulations as may be ordered by the joint concurrence of the President of the University and the Principal of the Academy.
4. Each Professor will have charge of his class with reference to attendance upon recitations. In case any student is absent twice in any one term, without good excuse, from recitations, or from his room in the evening after the hour of seven, it shall be the duty of the Principal of the Academy to give information of the fact to the parent or guardian of the pupil so offending.

#### II. VIOLATION OF RULES.

1. Any officer of the Institution becoming cognizant of violation of regulations by any pupil shall report the same to the Principal of the Academy, who shall make a record of the fact in a book provided for the purpose. Any

second violation by the same pupil shall also be reported to the President of the University; and if, in the judgment of the President of the University, and the Principal of the Academy, the offence be of sufficient gravity, the parent or guardian of the offending pupil shall be notified.

2. Violations of these and other prudential regulations shall be punished by private reprimand, or by reprimand in the presence of the students of the Academy by the Principal, or by reprimand before the University by the President, or by suspension, or by expulsion, according to the gravity or repetition of the offence.

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## BUILDINGS AND ROOMS.

The Academy Buildings are described in detail under the "University Property," in the introductory pages of this Catalogue.

**THE MAIN BUILDING** contains, besides its accommodations for other school and boarding purposes, furnished rooms for twenty students. These rooms are designed to accommodate two students each, and are twenty feet by twelve feet, by fourteen feet high. They are sub-divided into a study room twelve feet by ten feet, and a dormitory nine feet square. The dormitory contains a double bed with woven wire mattress. Both rooms are provided with all necessary furniture.

**THE NEW EAST HALL** contains combined study and sleeping rooms, each designed for two students. These rooms are fifteen feet by twelve feet, with high ceilings; and contain two commodious closets and two single wire-mattress beds, with all necessary furniture.

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## UNFURNISHED ROOMS.

The Academy has at its disposal a number of unfurnished rooms in the West Wing of the College Building, for the accommodation of students of mature years and of limited means. No attention by servants is given to these rooms, nor are lights supplied. Two students occupy a study room in common, but each has a separate dormitory. The dormitories are provided with a single new spring bedstead. All other furnishing is to be done by the occupants. While second-hand articles of furniture may be obtained here, it will be to the student's advantage to bring from home bedding and carpets. The dimensions of the study rooms are twelve feet by twelve feet; of the dormitory, twelve feet by six feet; of the bedsteads, seventy-five inches by thirty inches. These rooms are rented by the Registrar of the University.

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## BOARDING.

All students from a distance will occupy rooms and will board in the Academy, except for reasons jointly satisfactory to the President of the University and the Principal of the Academy.

The Principal and his family, the Instructors and the Matron live in the building, take their meals with the boarders, and strive in all possible ways to secure the welfare and happiness of the students. The Instructors occupy rooms adjacent to the students' apartments. The appointments of the Dining Room, the character of the table supplies, the household service in general, are designed to furnish the comforts of a first-class boarding house. So far as may be warranted by the gentlemanly deportment of the students, there will be absent from the home-life of the school all needless uniformity and irksome limitations, which disregard the reasonable individual preferences of pupils.

The Academy gives to furnished rooms daily and complete attention, provides and washes all bedding and bed clothing, and supplies and cares for all lights.

Pupils over twenty years of age may room in the College Building, and in that case will be subject to the same restrictions as College students.

Engagements for board and rooms are expected to continue without change to the end of the school year for which they are made.

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## APPLIANCES.

The Academy is in possession of excellent apparatus for instruction. A select Reference Library, containing an Encyclopedia, Lexicons, Dictionaries, Atlases, and various other helps, is accessible to students at all hours. The Classical Recitation Room is provided with Kiepert's Wall Maps of Ancient Geography, and with Reinhard's Album of Classical Antiquities, mounted. Metric apparatus, Maps, and Globes render assistance in other directions.

The Physical apparatus of the College also is accessible to the class in Natural Philosophy for purposes of experiment and illustration.

The books of the College Library are available for all students.

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## HOURS.

The time devoted to study and recitation amounts to nine hours every week-day, except Saturday, when it is only one hour. This time should be sacred to its purpose. Parents of day pupils are requested to coöperate with the school in securing attention to evening study hours, and to avoid furnishing excuses or granting occasions for absences.

Students from a distance should be in Lewisburg on the day preceding the opening of each term, and no student should leave until the term shall have closed. Punctuality in attendance is essential to success in school work.

For terms and vacations see the Calendar of the University.

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## STANDING AND PROMOTIONS.

The weekly averages of marks for recitations are recorded, and also failures in conduct and attendance. The scale for such markings ranges from 10, or perfect, to 0, or inexcusable failure. Unexcused absences count as zeros.



Monthly and Term Examinations are held in the studies thus far completed, and quarterly reports of the average in scholarship, attendance, and conduct of each student are sent to parents or guardians by the Principal.

No student is promoted to the next higher class whose average in any study is less than 7. A review of the study and a satisfactory examination will be necessary to secure the advanced standing desired.

Students who complete the Preparatory Courses of Study are admitted to standing in corresponding divisions of the Freshman Class in the College, upon the Principal's certificate, without separate examination.

All students who complete in a satisfactory manner either the Classical or the Scientific Course of study, and who have sustained irreproachable characters during their school residence, shall be entitled to a certificate setting forth their proficiency in the branches studied.

Students attaining an average standing of 9 are encouraged to devote spare time to work additional to the Regular Courses of Study.

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## PRIZES.

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### THE HARRY S. HOPPER PRIZE.

Mr. Harry S. Hopper, of Philadelphia, Chairman of the Board of Trustees, offers an annual prize of ten dollars for excellence in Composition.

This prize for 1891 was awarded to Alfred Hayes, Jr.

### THE REV. D. P. LEAS PRIZE.

Rev. David P. Leas, of Philadelphia, Treasurer of the Bucknell University, offers an annual prize of ten dollars to that member of the Third Form who shall excel in the annual Exhibition of the Third Form in Declamation.

This prize in 1891 was awarded to Thomas Lewis Josephs.

### THE PRINCIPAL WILLIAM E. MARTIN PRIZE.

Principal William E. Martin offers an annual prize of ten dollars to that member of the Fourth Form who shall pronounce the best oration at the Academic Graduating Exhibition.

This prize for 1891 was awarded to Louis John Richards.

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## LITERARY SOCIETIES.

**HERMENIA; ADELPHIA.**—These are voluntary organizations of students for mutual improvement in Literary and Oratorical exercises. They have large and convenient halls in the Academy building, where they hold their meetings on Friday evenings.



## RELIGIOUS SERVICES.

The duties of each day are opened with devotional exercises in Bucknell Hall, at which all students are required to be present.

Regular attendance upon public worship at some Church in town on Sunday morning, is required; also upon services on Thanksgiving Day, and the Day of Prayer for Colleges. Attendance upon Sunday School, and mid-week Prayer Meetings, while voluntary, is strongly urged upon students.

The Academic students maintain a branch of the Young Men's Christian Association, which holds a weekly prayer-meeting on Tuesday evenings.

## EXPENSES.

*Per Annum.*

|                                                                                            |          |
|--------------------------------------------------------------------------------------------|----------|
| Tuition, Board, Furnished Rooms, Fuel, Lights, Care, Washing,<br>and Incidentals . . . . . | \$225 00 |
| Tuition, Board, Unfurnished Rooms, Fuel, Washing and Incidentals,                          | 180 00   |
| Tuition, Fuel and Incidentals to Day Pupils . . . . .                                      | 50 00    |

All charges are payable to the Registrar of the University in advance, at the beginning of each term; or by the 15th of September, January and April.

No student is entitled to his place in his class until he has made settlement for the term bills.

If a student occupy a study by himself, the charges for room-rent and private fuel will be doubled.

Young men of good character and earnest purpose, but not possessing sufficient means to obtain an education, are invited to correspond with the Principal.

Free scholarships covering tuition are provided in all the Departments of the University for the children of Ministers of the Gospel *in actual service*.

The expenses for Music and Printing for Exhibitions and Anniversary occasions are paid by the classes for which such expenses are incurred.

**For information respecting the Academy, address the President of the University, John H. Harris, Ph. D., LL. D., or the Principal, William E. Martin, A. M.**



# THE INSTITUTE.

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## INSTRUCTORS AND OTHER OFFICERS.

---

JOHN HOWARD HARRIS, PH. D., LL. D.,  
PRESIDENT OF THE UNIVERSITY, AND INSTRUCTOR IN PSYCHOLOGY AND ETHICS.

MRS. KATHERINE B. LARISON, A. M., PRINCIPAL,  
AND INSTRUCTOR IN LITERATURE.

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ENGLISH AND MATHEMATICS.

HARRIET CLARE ARMITAGE,  
ENGLISH, ELOCUTION AND GYMNASTICS.

ELYSÉE AVIRAGNET, A. M.,  
VOCAL AND INSTRUMENTAL MUSIC AND THE ROMANCE LANGUAGES.

JULIET AIKIN,  
INSTRUMENTAL MUSIC.

CANDACE WOOD,  
DRAWING AND PAINTING.

WILLIAM GUNDY OWENS, A. M.,  
CHEMISTRY.

THOMAS FRANKLIN HAMBLIN, A. M.,  
GEOLOGY AND CIVIL GOVERNMENT.

LINCOLN HULLEY, A. M.,  
NATURAL PHILOSOPHY AND ASTRONOMY.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,  
REGISTRAR OF THE UNIVERSITY.

ELIAS REYNOLDS,  
CARE OF INSTITUTE GROUNDS AND BUILDINGS.

MRS. ELIAS REYNOLDS,  
MATRON.

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*Recording Secretary*, MISS JESSIE JONES.

*Corresponding Secretary*, MISS S. A. READ.

*Treasurer*, MRS. T. E. MCVITTY.

The Principal of the Institute will esteem it a favor if any graduate who changes her residence will give notice of her new address. She will also be grateful for any information that will assist in making or keeping the directory of the graduates complete, or serve for future editions of the triennial catalogue. Data are especially solicited regarding the more recent graduates.

## STUDENTS.

## THE SENIOR YEAR.

| NAME.                      | RESIDENCE.            | ROOM.                |
|----------------------------|-----------------------|----------------------|
| KATHARINE PONTIUS BAKER,   | <i>Lewisburg.</i>     | J. T. Baker, Esq.    |
| MARY CORA DAVIS,           | <i>Johnstown.</i>     | Institute.           |
| CATHERINE IRENE ENGELBERT, | <i>Lykens.</i>        | Institute.           |
| LILLIE CANDACE GROVE,      | <i>Chillisquaque.</i> | Mrs. S. B. Walter.   |
| NELLIE GRANT HAINES,       | <i>Winfield.</i>      | Mr. Anes Haines.     |
| NELLIE VIOLET JAUSS,       | <i>Harrisburg.</i>    | Institute.           |
| SARAH CATHERINE JOHNSON,   | <i>Milton.</i>        | Mr. E. Shorkley.     |
| FANNIE BAXTER MONTGOMERY,  | <i>McEwensville.</i>  | Institute.           |
| CLARA JANE NOETLING,       | <i>Mifflinburg.</i>   | Mrs. M. E. Noetling. |
| MARY ALICE PECK,           | <i>Scranton.</i>      | Institute.           |
| MARTHA MARGARET THOMPSON,  | <i>Bower.</i>         | Institute.           |
| BERTHA MAY WITTENMYER,     | <i>Middleburg.</i>    | Institute.           |

## THE FOURTH YEAR.

| NAME.                  | RESIDENCE.        | ROOM.               |
|------------------------|-------------------|---------------------|
| MARGARET STUART BAKER, | <i>Lewisburg.</i> | J. T. Baker, Esq.   |
| MARY EMMA BUTLER,      | <i>Montandon.</i> | John W. Butler.     |
| MARY COTTON,           | <i>Lewisburg.</i> | Mr. John S. Cotton. |

| NAME.                     | RESIDENCE.             | ROOM.                   |
|---------------------------|------------------------|-------------------------|
| MARY ADA CURRY,           | <i>Uniontown.</i>      | Institute.              |
| EDITH MAY HOUSTON,        | <i>Montgomery.</i>     | Institute.              |
| MARGARET BELLE KATHERMAN, | <i>Lewisburg.</i>      | Mr. Emanuel Katherman.  |
| LOUISE LANE,              | <i>Huntingdon.</i>     | Institute.              |
| RUTH ESTELLE MILLER,      | <i>Waverly.</i>        | Institute.              |
| ANNA MAY PENSYL,          | <i>Elysburg.</i>       | Institute.              |
| RUTH HORSFIELD SPRAGUE,   | <i>Lewisburg.</i>      | Mr. John Sprague.       |
| NELLIE ZETILLA VANDLING,  | <i>Northumberland.</i> | Mr. Thomas J. Vandling. |
| ORIANA WILLIAMS,          | <i>Lewisburg.</i>      | Mr. John Sprague.       |

### THE THIRD YEAR.

| NAME.                      | RESIDENCE.           | ROOM.                     |
|----------------------------|----------------------|---------------------------|
| ELIZABETH TOWER BATES,     | <i>Lewisburg.</i>    | Hon. S. D. Bates.         |
| MARY BELL,                 | <i>Lewisburg.</i>    | Mr. Edward Bell.          |
| FLORA MAY CLYMER.          | <i>New Britain.</i>  | Institute.                |
| EDITH GENEVA COXEY,        | <i>Phildelphia.</i>  | Institute.                |
| EVA CATHERINE DAVISON,     | <i>Union Corner.</i> | Institute.                |
| MARY ELIZABETH DARLINGTON, | <i>Lewisburg.</i>    | Mr. Robert D. Darlington. |
| NORA MAY GREENE,           | <i>Saltillo.</i>     | Institute.                |
| IDA GERTRUDE GREENE,       | <i>Saltillo.</i>     | Institute.                |
| CORA MAY JOHNSON,          | <i>Lewisburg.</i>    | Prof. R. B. Johnson.      |



| NAME.                   | RESIDENCE.                | ROOM.                   |
|-------------------------|---------------------------|-------------------------|
| ANNA JULIA KEISER,      | <i>Lewisburg.</i>         | Mrs. William Keiser.    |
| HARRIET IRENE LEWIS,    | <i>Lewisburg.</i>         | Mr. Thomas S. Lewis.    |
| ALICE LYON MENSCH,      | <i>Mifflinburg.</i>       | Institute.              |
| MARY KATHERINE OWENS,   | <i>Lewisburg.</i>         | Captain John A. Owens.  |
| ELLA MAY REESE,         | <i>Fair View Village.</i> | Institute.              |
| ANNA GERTRUDE SIEBER,   | <i>Lewisburg.</i>         | Rev. L. L. Sieber.      |
| JENETTE RACHEL SNOOK,   | <i>Lewisburg.</i>         | Prof. William G. Owens. |
| MARY CATHERINE STRUBLE, | <i>Zion.</i>              | Institute.              |
| LULA BLANCHE SWENGEL,   | <i>Lewisburg.</i>         | Rev. E. Swengel.        |
| LOTTIE MAY WALTER,      | <i>Lewisburg.</i>         | Mr. C. F. Walter.       |
| HATTIE LAURA WALTER,    | <i>Lewisburg.</i>         | Mr. C. F. Walter.       |
| MARY ELIZABETH WILSON,  | <i>Lewisburg.</i>         | Mr. Thomas Wilson.      |
| MABEL EDNA WITTENMYER,  | <i>Middleburg.</i>        | Institute.              |

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## THE SECOND YEAR.

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| NAME.                 | RESIDENCE.        | ROOM.              |
|-----------------------|-------------------|--------------------|
| ANNA GERTRUDE ASHMAN, | <i>Orbisonia.</i> | Institute.         |
| FRANCES MOORE BAKER,  | <i>Lewisburg.</i> | J. T. Baker, Esq.  |
| MARY HOWARD BAKER,    | <i>Lewisburg.</i> | J. T. Baker, Esq.  |
| MIRIAM ADLUM BUCHER,  | <i>Lewisburg.</i> | Hon. J. C. Bucher. |
| MARGARET MAY CAWLEY,  | <i>Lewisburg.</i> | Mr. H. B. Cawley.  |

| NAME.                      | RESIDENCE.              | ROOM.                   |
|----------------------------|-------------------------|-------------------------|
| IRENE CARRIE ELLIS,        | <i>Lewisburg.</i>       | Rev. William H. Ellis.  |
| TABITHA JOSEPHINE FARWELL, | <i>North Bend.</i>      | Institute.              |
| HELEN MANN FRYLING,        | <i>St. Mary's.</i>      | Institute.              |
| MARTHA ANDERSON GOLDY,     | <i>Camden, N. J.</i>    | Institute.              |
| ANNA ELEANOR GLENN,        | <i>Philadelphia.</i>    | Institute.              |
| GRACE IOLA HAGUE,          | <i>Pittsburg.</i>       | Institute.              |
| EMMA BEULAH HAYES,         | <i>Lewisburg.</i>       | Hon. Alfred Hayes.      |
| JENETTE FRANCES HYATT,     | <i>Salona.</i>          | Mr. Clinton Hyatt.      |
| NANNIE BENNETT KINPORTS,   | <i>Grant.</i>           | Institute.              |
| MARY MATLACK,              | <i>Lewisburg.</i>       | Mr. George S. Matlack.  |
| IRETTA GRACE METTLER,      | <i>Westfield.</i>       | Institute.              |
| AIDA VIRGINIA MYERS,       | <i>Lewisburg.</i>       | Mr. David Myers.        |
| MARGARET ISABELLE NORTON,  | <i>Lewisburg.</i>       | Mr. Thomas S. Norton.   |
| JANE WINIFRED PATCHIN,     | <i>Patchinville.</i>    | Institute.              |
| SUSAN ALICE PAWLING,       | <i>Selinsgrove.</i>     | Mr. L. E. Pawling.      |
| ALICE GERTRUDE PROBASCO,   | <i>Bridgeton, N. J.</i> | Institute.              |
| ANNA MARY RODGERS,         | <i>Allentown.</i>       | Institute.              |
| ANNA STRINE ROHBACH,       | <i>Lewisburg.</i>       | Major Elias P. Rohbach. |
| CLARISSA FISHER RUSSELL,   |                         | Mr. T. Frank Russell.   |

## THE FIRST YEAR.

| NAME.                 | RESIDENCE.             | ROOM.                    |
|-----------------------|------------------------|--------------------------|
| LILLIAN MAY ARMAGAST, | <i>Allegheny City.</i> | Institute.               |
| BELLE BARTOL,         | <i>Lewisburg.</i>      | Prof. W. C. Bartol.      |
| SARA MARTHA BLACK,    | <i>Lewisburg.</i>      | Mrs. Anna M. Black.      |
| MARY EMMA FEIGHT,     | <i>Lewisburg.</i>      | Rev. J. W. Feight.       |
| CARRIE PHELPS HAGUE,  | <i>Pittsburg.</i>      | Institute.               |
| ANNA CURZON JUDD,     | <i>Lewisburg.</i>      | Rev. J. T. Judd.         |
| ELIZA JOHNSON MARTIN, | <i>Lewisburg.</i>      | Prof. William E. Martin. |
| GENEVIEVE MORGAN,     | <i>Nanticoke.</i>      | Institute.               |
| ZERNIAH THOMAS,       | <i>Lansford.</i>       | Institute.               |

## PURSUING SELECT STUDIES.

| NAME.                   | RESIDENCE.          | ROOM.      |
|-------------------------|---------------------|------------|
| CARRIE ELIZABETH MENCH, | <i>Mifflinburg.</i> | Institute. |
| FLORENCE BUELL CARMON,  | <i>Huntingdon.</i>  | Institute. |
| ELIZABETH MILES,        | <i>Milton.</i>      | Home.      |

## SUMMARY.

|                       |    |
|-----------------------|----|
| Seniors . . . . .     | 12 |
| Fourth Year . . . . . | 12 |
| Third Year . . . . .  | 22 |
| Second Year . . . . . | 24 |
| First Year . . . . .  | 9  |
| Special . . . . .     | 3  |
| Total . . . . .       | 82 |

# SCHOOL OF MUSIC.

ELYSÉE AVIRAGNET, A. M., DIRECTOR.

## PIANO.

| NAME.                                   | RESIDENCE.      |
|-----------------------------------------|-----------------|
| LILLIAN MAY ARMAGAST . . . . .          | Allegheny.      |
| ANNA GERTRUDE ASHMAN . . . . .          | Orbisonia.      |
| MARGARET STUART BAKER . . . . .         | Lewisburg.      |
| BELLE BARTOL . . . . .                  | Lewisburg.      |
| LINNIE ELIZA BECKNER . . . . .          | Lewisburg.      |
| ELIZA BELL . . . . .                    | Lewisburg.      |
| MARY BELL . . . . .                     | Lewisburg.      |
| ELLA BENDER . . . . .                   | Lewisburg.      |
| SADIE BRAUKER . . . . .                 | Laurelton.      |
| FANNIE CASE . . . . .                   | Lewisburg.      |
| ELLA CORLE CHURCH . . . . .             | Lewisburg.      |
| ELIZABETH WELLS CLEARWATER . . . . .    | Wilcox.         |
| MARY ADA CURRY . . . . .                | Uniontown.      |
| MARY ELIZABETH DARLINGTON . . . . .     | Lewisburg.      |
| WILHELMINA MALINDA DARLINGTON . . . . . | Lewisburg.      |
| EVA JANE DERR . . . . .                 | Limestoneville. |
| IRENE DICKSON . . . . .                 | Williamsport.   |
| CATHERINE IRENE ENGLEBERT . . . . .     | Lykens.         |
| TABITHA JOSEPHINE FARWELL . . . . .     | North Bend.     |
| ELIZABETH FOILMER . . . . .             | West Milton.    |
| MARTHA ANDERSON GOLDY . . . . .         | Camden, N. J.   |
| NORA MAY GREENE . . . . .               | Saltillo.       |
| IDA GERTRUDE GREENE . . . . .           | Saltillo.       |
| GRACE IOLA HAGUE . . . . .              | Pittsburg.      |
| CARRIE PHELPS HAGUE . . . . .           | Pittsburg.      |
| MARY BELLE HARRIS . . . . .             | Lewisburg.      |
| BLANCHE HASSENPLUG . . . . .            | Lewisburg.      |

| NAME.                                 | RESIDENCE.        |
|---------------------------------------|-------------------|
| EMMA BEULAH HAYES . . . . .           | Lewisburg.        |
| JEANIE HIMMELREICH . . . . .          | Lewisburg.        |
| EDITH MAY HOUSTON . . . . .           | Montgomery.       |
| EMMA TAYLOR HYMAN . . . . .           | Winfield.         |
| NELLIE VIOLET JAUSS . . . . .         | Harrisburg.       |
| ANNA CURZON JUDD . . . . .            | Lewisburg.        |
| LOUISE LANE . . . . .                 | Huntingdon.       |
| JOSEPHENE LAWSHE . . . . .            | Lewisburg.        |
| FANNIE McLAUGHLIN . . . . .           | Lewisburg.        |
| MARY MATLACK . . . . .                | Lewisburg.        |
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| ALICE LYON MENSCH . . . . .           | Mifflinburg.      |
| GENEVIEVE MORGAN . . . . .            | Nanticoke.        |
| EDWIN LIGHTNER NESBIT . . . . .       | Lewisburg.        |
| JANE WINIFRED PATCHIN . . . . .       | Patchinsville.    |
| EMELINE ELIZABETH PATCHIN . . . . .   | Patchinsville.    |
| MARY ALICE PECK . . . . .             | Scranton.         |
| CORA REIFF PERRY . . . . .            | Eagleville.       |
| ELLA MAY REESE . . . . .              | Fairview Village. |
| ADA ROTE . . . . .                    | Lewisburg.        |
| FRANCES MARY RUSH . . . . .           | Lewisburg.        |
| MARTHA ROOT . . . . .                 | Cambridge.        |
| ANNA SHIELDS . . . . .                | Lewisburg.        |
| SARA MAY SMEIGH . . . . .             | Lewisburg.        |
| JENNIE STEINER . . . . .              | Lewisburg.        |
| LULU BLANCHE SWENGEL . . . . .        | Lewisburg.        |
| MARY CATHERINE STRUBLE . . . . .      | Zion.             |
| MARY THORNTON . . . . .               | Lewisburg.        |
| JULIA MONTGOMERY WEIDENSAUL . . . . . | Lewisburg.        |
| MABEL EDNA WITTENMYER . . . . .       | Middleburg.       |

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### PIPE ORGAN.

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| NAME.                          | RESIDENCE. |
|--------------------------------|------------|
| LINNIE ELIZA BECKNER . . . . . | Lewisburg. |
| SADIE DeLONG . . . . .         | Lewisburg. |
| MARY BELLE HARRIS . . . . .    | Lewisburg. |
| LAVERNE MINNISS . . . . .      | Bradford.  |
| ADA ROTE . . . . .             | Lewisburg. |



## VOCAL.

| NAME.                               | RESIDENCE.      |
|-------------------------------------|-----------------|
| LILLIAN MAY ARMAGAST . . . . .      | Allegheny.      |
| SADIE BRAUKER . . . . .             | Laurelton.      |
| ROBERT B. DAVIDSON . . . . .        | Paterson, N. J. |
| TABITHA JOSEPHINE FARWELL . . . . . | North Bend.     |
| GRACE IOLA HAGUE . . . . .          | Pittsburg.      |
| CARRIE PHELPS HAGUE . . . . .       | Pittsburg.      |
| EMILY HALL . . . . .                | Lewisburg.      |
| BLANCHE HASSENPLUG . . . . .        | Lewisburg.      |
| NELLIE VIOLET JAUSS . . . . .       | Harrisburg.     |
| CARRIE ELIZABETH MENSCH . . . . .   | Mifflinburg.    |
| RUTH ESTELLE MILLER . . . . .       | Waverly.        |
| ANNA MAY PENSYL . . . . .           | Elysburg.       |
| ADA ROTE . . . . .                  | Lewisburg.      |

## HARMONY.

| NAME.                                 | RESIDENCE.      |
|---------------------------------------|-----------------|
| ANNA GERTRUDE ASHMAN . . . . .        | Orbisonia.      |
| MARGARET STUART BAKER . . . . .       | Lewisburg.      |
| LINNIE ELIZA BECKNER . . . . .        | Lewisburg.      |
| ELLA BENDER . . . . .                 | Lewisburg.      |
| ELLA CORLE CHURCH . . . . .           | Lewisburg.      |
| EVA JANE DERR . . . . .               | Limestoneville. |
| SADIE DELONG . . . . .                | Lewisburg.      |
| CATHERINE IRENE ENGLEBERT . . . . .   | Lykens.         |
| MARY BELLE HARRIS . . . . .           | Lewisburg.      |
| BLANCHE HASSENPLUG . . . . .          | Lewisburg.      |
| LOUISE LANE . . . . .                 | Huntingdon.     |
| LOUISE LAWSHE . . . . .               | Lewisburg.      |
| JOSEPHENE LAWSHE . . . . .            | Lewisburg.      |
| FANNY McLAUGHLIN . . . . .            | Lewisburg.      |
| GENEVIEVE MORGAN . . . . .            | Nanticoke.      |
| ADA ROTE . . . . .                    | Lewisburg.      |
| SARA MAY SMEIGH . . . . .             | Lewisburg.      |
| LULU BLANCHE SWENGEL . . . . .        | Lewisburg.      |
| MARY THORNTON . . . . .               | Lewisburg.      |
| JULIA MONTGOMERY WEIDENSAUL . . . . . | Lewisburg.      |
| MABEL EDNA WITTENMYER . . . . .       | Middleburg.     |

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 VIOLIN.
 

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| NAME.                                 | RESIDENCE.    |
|---------------------------------------|---------------|
| LILLIAN MAY ARMAGAST . . . . .        | Allegheny.    |
| KATHERINE PONTIUS BAKER . . . . .     | Lewisburg.    |
| BELLE BARTOL . . . . .                | Lewisburg.    |
| LINNIE ELIZA BECKNER . . . . .        | Lewisburg.    |
| RAYMOND JOHN DAVIS . . . . .          | Jenkintown.   |
| MAY EVERLY . . . . .                  | Lewisburg.    |
| ELIZABETH FOLLMER . . . . .           | West Milton.  |
| GRACE IOLA HAGUE . . . . .            | Pittsburg.    |
| CARRIE PHELPS HAGUE . . . . .         | Pittsburg.    |
| BESSIE HAUKE . . . . .                | Vicksburg.    |
| LOUISE LAWSHE . . . . .               | Lewisburg.    |
| JAMES BROWN MARTIN . . . . .          | Lewisburg.    |
| FRANKLIN ISAAC SIGMUND . . . . .      | Philadelphia. |
| SARA MAY SMEIGH . . . . .             | Lewisburg.    |
| LOTTIE MAY WALTER . . . . .           | Lewisburg.    |
| JULIA MONTGOMERY WEIDENSAUL . . . . . | Lewisburg.    |
| JOHN MCCALMONT WILSON . . . . .       | Bradford.     |
| MARY WOLF . . . . .                   | Pottsgrove.   |

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 VIOLINCELLO.
 

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| NAME.                            | RESIDENCE.   |
|----------------------------------|--------------|
| MARGARET STUART BAKER . . . . .  | Lewisburg.   |
| THOMAS STRADLING FRETZ . . . . . | Gardenville. |

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 DOUBLE BASS.
 

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| NAME.                | RESIDENCE.   |
|----------------------|--------------|
| EZRA ALLEN . . . . . | Coudersport. |

## CORNET.

| NAME.                             | RESIDENCE.            |
|-----------------------------------|-----------------------|
| ANDREW FREEMAN ANDERSON . . . . . | Portersville.         |
| LAYMAN LEON BOWER . . . . .       | Pittston.             |
| BENJAMIN KANE BRICK . . . . .     | Marlton, N. J.        |
| EVERETT ADAMS BUSH . . . . .      | Panama, N. Y.         |
| JOSEPH CALDWELL CAREY . . . . .   | Glen Loch.            |
| JOHN BRICE CRESSINGER . . . . .   | Sunbury.              |
| ROBERT BAILEY DAVIDSON . . . . .  | Paterson, N. J.       |
| ALBERT EDWARD FINN . . . . .      | Philadelphia.         |
| EDWARD MCVITTY GREEN . . . . .    | Saltillo.             |
| FRANK WATTERSON JACKSON . . . . . | Ohio pyle.            |
| WARREN STANLEY MARTS . . . . .    | Dividing Creek, N. J. |
| FREDERICK OTTO SCHUBE . . . . .   | Pittsburg.            |
| FRANK MORTON SIMPSON . . . . .    | Clifford.             |
| ROBERT HARRIS SIMPSON . . . . .   | Clifford.             |
| GEORGE HENRY WAID . . . . .       | Reading.              |
| CHARLES WESLEY WILLIAMS . . . . . | Philadelphia.         |
| ALBERT HARNISH WYNKOOP . . . . .  | Philadelphia.         |

## SUMMARY.

|                          |     |
|--------------------------|-----|
| Piano . . . . .          | 61  |
| Pipe Organ . . . . .     | 5   |
| Voice Culture . . . . .  | 13  |
| Harmony . . . . .        | 21  |
| Violin . . . . .         | 18  |
| Violincello . . . . .    | 2   |
| Double Bass . . . . .    | 2   |
| Cornet . . . . .         | 17  |
| Total . . . . .          | 135 |
| Names repeated . . . . . | 45  |
|                          | 90  |

## ART DEPARTMENT.

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## NAME.

## RESIDENCE.

|                            |                  |
|----------------------------|------------------|
| LILLIAN ARMAGAST           | Allegheny.       |
| HARRIET ARMITAGE           | Elmira.          |
| FRANCES MOORE BAKER        | Lewisburg.       |
| ELEANOR BARBER             | Lewisburg.       |
| MIRIAM ADLUM BUCHER        | Lewisburg.       |
| ALFRED HENRY CATTERALL     | Watsonstown.     |
| MARY ADA CURRY             | Uniontown.       |
| SYBIL WATSON DAUGHERTY     | Sunbury.         |
| EMMA JANE DERR             | Limestoneville.  |
| ANNIE EVANS                | Lewisburg.       |
| EMMA FEIGHT                | Lewisburg.       |
| HENRIETTA FOLLMER          | Milton.          |
| ANNA ELEANOR GLENN         | Philadelphia.    |
| MARTHA ANDERSON GOLDY      | Camden, N. J.    |
| IDA GERTRUDE GREEN         | Saltillo.        |
| MRS. WM. C. GRETZINGER     | Lewisburg.       |
| MRS. C. B. GRIFFIN         | Lewisburg.       |
| ALICE HASSENPLUG           | Lewisburg.       |
| EMMA BEULAH HAYES          | Lewisburg.       |
| CATHERINE LOUISE HAZLEWOOD | Lewisburg.       |
| GRACE IOLA HAGUE           | Pittsburg.       |
| CARRIE PHELPS HAGUE        | Pittsburg.       |
| EDITH MAY HOUSTON          | Montgomery.      |
| IRENE HECK                 | Northumberland.  |
| FANNIE MARSH               | Lewisburg.       |
| RUTH ESTELLE MILLER        | Waverly.         |
| EMMA OLDT                  | New Berlin.      |
| EMELINE ELIZABETH PATCHIN  | Patchinsville.   |
| JANE WINIFRED PATCHIN      | Patchinsville.   |
| ANNA MAY PENSYL            | Elysburg.        |
| ALICE GERTRUDE PROBASCO    | Bridgeton, N. J. |
| CLEMENCE PROCTOR REED      | Milton.          |

| NAME.                           | RESIDENCE.      |
|---------------------------------|-----------------|
| FRANCES MARY RUSH . . . . .     | Lewisburg.      |
| ELIZABETH SAUSTER . . . . .     | Watson town.    |
| ANNA SCHRACK . . . . .          | Mifflinburg.    |
| ANNIE SEASHOLTZ . . . . .       | Northumberland. |
| FLORENCE BERTHA SMITH . . . . . | Lewisburg.      |
| MRS. A. B. STEWART . . . . .    | Lewisburg.      |
| MARY THOMAS , . . . .           | Lewisburg.      |
| NINA MAUDE VANDYKE . . . . .    | Lewisburg.      |
| CHARLES WENCK . . . . .         | Northumberland. |
| BERTHA MAY WITTENMYER . . . . . | Middleburg.     |
| MARY WOLF . . . . .             | Pottsgrove.     |

### PRIVATE LESSONS IN ELOCUTION.

| NAME.                              | RESIDENCE.  |
|------------------------------------|-------------|
| CARRIE LOUISA GEARY . . . . .      | Carbondale. |
| EDITH MAY HOUSTON . . . . .        | Montgomery. |
| MAY CAROLINE KELLY . . . . .       | Lewisburg.  |
| MARTHA MARGARET THOMPSON . . . . . | Bower.      |

### GENERAL SUMMARY.

|                                    |      |
|------------------------------------|------|
| Institute Courses . . . . .        | 82   |
| School of Music . . . . .          | 90   |
| School of Art . . . . .            | 43   |
| Elocution (Special) . . . . .      | 4    |
| (Names repeated, 86) . . . . .     | — 51 |
| Total . . . . .                    | 133  |
| Other Departments . . . . .        | 211  |
| Total in all departments . . . . . | *344 |

\*Including six students who entered after previous pages were printed.



## COURSES OF STUDY.

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**THE BUCKNELL INSTITUTE** offers to young women three courses of study, each extending over five years. Students are admitted to advanced standing, if, upon examination, they are found to have satisfactory knowledge of the branches which the class they propose to enter has already completed.

### I. THE LITERARY COURSE.

**THE LITERARY COURSE** embraces, in **MATHEMATICS**, Arithmetic, common and advanced, Algebra, and Geometry, plane and solid; in **LATIN**, two years required, and a third year elective with German; in **GERMAN** and **FRENCH**, one year each; and in **ITALIAN** and **SPANISH**, an optional course under the instruction of M. Elysée Aviragnet; in **SCIENCE**, Physical Geography, Botany, Astronomy, Physics, Physiology, Chemistry, and Geology. In these branches the students have the advantages afforded by the College Observatory, Laboratory and Museum. The course also includes Rhetoric, Composition, Civil Government, Psychology and Ethics.

Special attention is given to History and Literature, to the former of which six, and to the latter three, terms are devoted.

### II. THE CLASSICAL COURSE.

**THE CLASSICAL COURSE** embraces, in **MATHEMATICS**, Arithmetic, Algebra, Geometry, plane and solid, University Algebra and Trigonometry; in **LATIN**, Grammar and Composition, Cæsar, Vergil, Cicero's Orations, Cicero de Senectute et de Amicitia, Livy and Tacitus, in all, four years; in **GREEK**, Grammar and Composition, Xenophon's Anabasis, Homer's Iliad, Lysias' Orations, Herodotus, Homer's Odyssey, and the Greek Testament, in all, three years; in **HISTORY**, General History, and Greek and Roman History.

Students who complete the Classical Course are admitted to the Sophomore Class in College as candidates for the first degree in Arts.

### III. THE LATIN SCIENTIFIC COURSE.

**THE LATIN SCIENTIFIC COURSE** corresponds to the Classical Course, except that scientific studies are substituted for the first two years of Greek, and German for the third year of Greek.

Students who complete the Latin Scientific Course are admitted to the Sophomore Class in College as candidates for the first degree in Philosophy.

### IV. THE ECLECTIC COURSE.

**THE ECLECTIC COURSE.**—For those who do not intend to pursue a Regular Course of Study, but desire to select certain special branches, the Institute will, subject to necessary restrictions, provide such studies as they may elect and for which they show themselves qualified, but only in connection with the recitations of the regular classes.

# CURRICULA.

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## I. THE LITERARY COURSE.

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### FIRST YEAR.

- |                                                                   |                                                  |
|-------------------------------------------------------------------|--------------------------------------------------|
| I. TERM—Arithmetic,<br>United States History,<br>English Grammar, | Wentworth,<br>Barnes,<br>Outlines and Exercises. |
| II. TERM—Arithmetic,<br>General History,<br>English Grammar,      | Wentworth,<br>Barnes,<br>Outlines and Exercises. |
| III. TERM—Arithmetic,<br>General History,<br>English Grammar,     | Wentworth,<br>Barnes,<br>Outlines and Exercises. |

### SECOND YEAR.

- |                                                                                 |                                                                      |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------|
| I. TERM—Latin—Lessons,<br>Grammar,<br>Physical Geography,<br>Higher Arithmetic, | Bellum Helvetium,<br>Allen and Greenough,<br>Appleton,<br>Wentworth. |
| II. TERM—Latin—Lessons,<br>Grammar,<br>History of Greece,<br>Book-Keeping,      | Bellum Helvetium,<br>Allen and Greenough,<br>Smith,<br>Bryant.       |
| III. TERM—Cæsar,<br>Rhetoric,<br>Botany,<br>History of Rome,                    | Kelsey,<br>Hill's Elements,<br>Gray,<br>Smith.                       |

### THIRD YEAR.

- |                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| I. TERM—Cæsar,<br>Algebra,<br>English History, | Kelsey,<br>Wentworth,<br>Guest.                  |
| II. TERM—Vergil,<br>Algebra,<br>Astronomy,     | Greenough,<br>Sheldon,<br>Sharpless and Philips. |
| III. TERM—Vergil,<br>Physics,<br>Physiology,   | Greenough,<br>Sharpless and Philips,<br>Walker.  |

## FOURTH YEAR.

- |                                                                                                                |                                                                           |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| I. TERM—Vergil, <i>or</i><br>German,<br>Algebra,<br>Chemistry,                                                 | Greenough,<br>Wenckebach,<br>Sheldon,<br>Eliot and Storer.                |
| II. TERM—Cicero, <i>and</i><br>Latin Prose Composition, <i>or</i><br>German,<br>Geometry,<br>Civil Government, | Allen and Greenough,<br>Collar,<br>Wenckebach,<br>Wentworth,<br>Cocker.   |
| III. TERM—Cicero, <i>or</i><br>German, <i>and</i><br>German Composition,<br>Geometry,<br>Geology,              | Allen and Greenough,<br>Wenckebach,<br>Harris,<br>Wentworth,<br>Le Conte. |

## SENIOR YEAR.

- |                                                                                                      |                                                       |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| I. TERM—Psychology,<br>English Literature,<br>English Classics,<br>French, <i>or</i><br>German,      | McCosh,<br>Outlines,<br><br>Die Jungfrau von Orleans. |
| II. TERM—English Literature,<br>English Classics,<br>Solid Geometry,<br>French, <i>or</i><br>German, | Outlines,<br><br>Wentworth,<br><br>Wilhelm Tell.      |
| III. TERM—Ethics,<br>American Literature,<br>American Classics,<br>French, <i>or</i><br>German,      | Hopkins,<br>Outlines,<br><br>Hermann und Dorothea.    |

## II. THE CLASSICAL COURSE.

## FIRST YEAR.

- |                                                                   |                                                      |
|-------------------------------------------------------------------|------------------------------------------------------|
| I. TERM—Arithmetic,<br>United States History,<br>English Grammar, | Wentworth,<br>Montgomery,<br>Outlines and Exercises. |
| II. TERM—Arithmetic,<br>General History,<br>English Grammar,      | Wentworth,<br>Barnes,<br>Outlines and Exercises.     |
| III. TERM—Arithmetic,<br>General History,<br>English Grammar,     | Wentworth,<br>Barnes,<br>Outlines and Exercises.     |

## SECOND YEAR.

- |                                                                                        |                                                                      |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| I. TERM—Latin—Lessons,<br>Grammar,<br>Physical Geography,<br>Higher Arithmetic,        | Bellum Helvetium,<br>Allen and Greenough,<br>Appleton,<br>Wentworth. |
| II. TERM—Latin—Lessons,<br>Grammar,<br>History of Greece,<br>Book-Keeping,             | Bellum Helvetium,<br>Allen and Greenough,<br>Smith,<br>Bryant.       |
| III. TERM—Cæsar's Commentaries,<br>Rhetoric,<br>Elementary Botany,<br>History of Rome, | Kelsey,<br>Hill's Elements,<br>Gray,<br>Smith.                       |

## THIRD YEAR.

- |                                                                                          |                                                                  |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| I. TERM—Algebra,<br>Cæsar's Commentaries,<br>Greek—Lessons,<br>Grammar,                  | Sheldon,<br>Kelsey,<br>Boise and Pattengill,<br>Hadley-Allen.    |
| II. TERM—Algebra,<br>Vergil's <i>Æneid</i> ,<br>Greek—Lessons,<br>Grammar,               | Sheldon,<br>Greenough,<br>Boise and Pattengill,<br>Hadley-Allen. |
| III. TERM—Natural Philosophy,<br>Vergil's <i>Æneid</i> ,<br>Xenophon's <i>Anabasis</i> , | Sharpless and Philips,<br>Greenough,<br>Kelsey.                  |

## FOURTH YEAR.

- |                                                                                                           |                                                           |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| I. TERM—Algebra, Quadratics,<br>Latin—Vergil's <i>Æneid</i> ,<br>Prosody,<br>Xenophon's <i>Anabasis</i> , | Sheldon,<br>Greenough,<br>Allen and Greenough,<br>Kelsey. |
| II. TERM—Plane Geometry,<br>Latin—Cicero's Orations,<br>Prose Composition,<br>Homer's <i>Iliad</i> ,      | Wentworth,<br>Allen and Greenough,<br>Collar,<br>Seymour. |
| III. TERM—Plane Geometry,<br>Cicero's Orations.<br>Greek—Homer's <i>Iliad</i> ,<br>Prose Composition,     | Wentworth,<br>Allen and Greenough,<br>Seymour,<br>Jones.  |

## SENIOR YEAR.

- |                                                                                                                                                 |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| I. TERM—Geometry and Trigonometry,<br>Cicero de Senectute et de Am.,<br>Lysias' Orations,<br>Greek Prose Composition,<br>Lectures on the Essay. | Practical Ethics,<br>Hygiene,<br>Elocution,<br>English Composition. |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|

- |                                                                            |                                                    |
|----------------------------------------------------------------------------|----------------------------------------------------|
| II. TERM—Algebra,<br>Livy,<br>Herodotus or Thucydides,<br>Greek Testament. | Derivatives,<br>Elocution,<br>English Composition, |
| III. TERM—Analytical Geometry,<br>Tacitus,<br>Odyssey,<br>Greek Testament. | Chemistry,<br>Elocution,<br>Composition.           |
- 

### III. THE LATIN SCIENTIFIC COURSE.

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#### FIRST YEAR.

- |                                                                  |                                                      |
|------------------------------------------------------------------|------------------------------------------------------|
| I. TERM—Arithmetic,<br>United States History<br>English Grammar, | Wentworth,<br>Montgomery,<br>Outlines and Exercises. |
| II. TERM—Arithmetic,<br>General History,<br>English Grammar,     | Wentworth,<br>Barnes,<br>Outlines and Exercises.     |
| III. TERM—Arithmetic,<br>General History,<br>English Grammar,    | Wentworth,<br>Barnes,<br>Outlines and Exercises.     |

#### SECOND YEAR.

- |                                                                                 |                                                                      |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------|
| I. TERM—Latin—Lessons,<br>Grammar,<br>Physical Geography,<br>Higher Arithmetic, | Bellum Helvetium,<br>Allen and Greenough,<br>Appleton,<br>Wentworth. |
| II. TERM—Cæsar,<br>Rhetoric,<br>Elementary Botany,<br>History of Rome,          | Kelsey,<br>Hill's Elements,<br>Gray,<br>Smith.                       |

#### THIRD YEAR.

- |                                                                 |                                                  |
|-----------------------------------------------------------------|--------------------------------------------------|
| I. TERM—Cæsar's Commentaries,<br>Algebra,<br>English History.   | Kelsey,<br>Sheldon,<br>Guest.                    |
| II. TERM—Algebra,<br>Vergil's Æneid,<br>Astronomy,              | Sheldon,<br>Greenough,<br>Sharpless and Philips. |
| III. TERM—Natural Philosophy,<br>Vergil's Æneid,<br>Physiology, | Sharpless and Philips.<br>Greenough,<br>Walker.  |



**FOURTH YEAR.**

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|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| I. TERM—Algebra, Quadratics,<br>Latin—Vergil's <i>Æneid</i> ,<br>Prosody,<br>English Literature, | Sheldon,<br>Greenough,<br>Allen and Greenough,<br>Outlines. |
| II. TERM—Plane Geometry,<br>Latin—Cicero's Orations,<br>Prose Composition,<br>Civil Government,  | Wentworth,<br>Allen and Greenough,<br>Collar,<br>Johnston.  |
| III. TERM—Plane Geometry,<br>Cicero's Orations,<br>Geology,                                      | Wentworth,<br>Allen and Greenough,<br>Le Conte.             |

**SENIOR YEAR.**

- |                                                                                                           |                                                                     |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| I. TERM—Geometry and Trigonometry,<br>Cicero de Senectute et de Am.,<br>German,<br>Lectures on the Essay, | Practical Ethics,<br>Hygiene,<br>Elocution,<br>English Composition. |
| II. TERM—Algebra,<br>German,<br>Livy,                                                                     | Derivatives,<br>Elocution,<br>English Composition.                  |
| III. TERM—Analytical Geometry,,<br>Horace,<br>German,                                                     | Linear Perspective,<br>Elocution,<br>English Composition.           |



## METHODS OF INSTRUCTION.

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### I. PSYCHOLOGY AND ETHICS.

Psychology is taught by a text-book and informal lectures. The relation of Psychology to education is made a special feature. "Hopkins' Outline Study of Man" is made the basis of instruction.

The aim in the course in Ethics is to make the instruction as practical as possible. Hopkins' work on Ethics is used as a text-book.

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### II. ENGLISH.

**ENGLISH GRAMMAR.**—The aim is to enable the pupils to speak and write the English language with accuracy and force. No text-book is used, the instruction being suggestive and inductive.

**RHETORIC** is taught as a practical aid to English Composition. Daily exercises in the various processes of Composition are required.

**ENGLISH LITERATURE** is taught by topical outlines, the elaboration of which depends upon a critical study of the master-pieces in English Literature, in connection with the lives and times of the writers. The books required for this work are found in the Institute Library.

The chief object in the course is to imbue each student with an ardent desire *to know* and *to value* the best thoughts of the greatest minds; and to clearly comprehend the relation of these thoughts to English Literature and the English race.

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### III. HISTORY.

**HISTORY.**—Six terms are devoted to this study. The text-book is supplemented by the topical method. Efforts are made to convince the learner that History is not mere facts in chronological order, but a record of the development of civilization.

**CIVIL GOVERNMENT** is taught as a preparation for intelligent citizenship. The origin and growth of our institutions, the functions of the various departments of the National, State and local government; the political history of the people; the interpretation and construction of the Constitution, are clearly presented and discussed.

#### IV. LATIN.

The method employed with beginners is the Inductive, the text of "Belum Helvetium" being used as presenting a model of perfect Latin. Paradigms of Declension and Conjugation, with the principles of Syntax, are introduced gradually, after many illustrations. The same text is made the basis of English sentences to be written in Latin, readiness in Latin Composition and a correct style being thus produced.

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#### V. THE MODERN LANGUAGES.

**FRENCH, ITALIAN AND SPANISH.**—The Modern Languages are taught by comparing them with the maternal tongue of the pupil, if there be any relation between them. If there is none, it is compared with the Latin and Greek Languages. In French, rules are taught by which the words which are not exactly the same in the two languages are easily made French.

French Syntax is taught by examples and illustrations from readings. The grammar is taught by the language, and not the language by the grammar. Dictation exercises are given from "Whitney's Practical French."

As far as practical, French only is spoken in the class-room. Extracts are read from the best French Literature. Conversations are held in French on the readings, stories are related and compositions prepared in French by the pupil.

The aim is to teach the Modern Languages so that they can be spoken correctly.

The same method is used in teaching Spanish and Italian.

**GERMAN.**—In the study of German, the aim is to acquire a sufficient knowledge of the grammar and such a vocabulary as will conduce to facility in reading. As little English as practicable is used in the class-room, the rules, after frequent illustration, being learned in the German Language. The committing to memory of poems, object lessons, and conversations on the text used, form the work of the first year; the reading of German Classics and German Compositions are included in the second year's course.

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#### VI. MATHEMATICS.

**ARITHMETIC.**—The subject is taught primarily with the object of making practical arithmeticians. The minds of the pupils are kept free from set rules, formulæ, and mechanical processes, while independent thought and logical analysis are daily required.

**ALGEBRA.**—Three terms are given to this subject. There is thorough drill in the fundamental operations, and the idea that these are simply the application of arithmetical processes to symbols of general value, is kept constantly in mind. The course includes Quadratic Equations, Theory of Exponents, Variation and Series.

**GEOMETRY.**—The course includes Plane and Solid Geometry. Besides the demonstrations of theorems given in the text-book, original demonstrations and the solution of problems are required.

**HIGHER ALGEBRA.**—Some time is given to the graphical representation of the relations of quantities. The topics discussed are: Progressions, Theory of Limits, Differentiation, Development of Functions into Series, Convergency and Summation of Series, Logarithms, Compound Interest and Annuities, Permutations and Combinations, Probability, Continued Fractions and the Theory of Equations. Differentiation is introduced as a means to clear and concise proofs of the Binomial Theorem, Logarithmic Series and Exponential Series.

**TRIGONOMETRY.**—The course includes Plane and Spherical Trigonometry. It is as extensive as that in our best schools, but does not include those discussions and investigations which are important for specialists only. Time is given to the numerical illustration of principles, for the purpose of making sure that the meaning and use of formulæ, demonstrated and learned, are thoroughly understood.

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## VII. SCIENCE.

**NATURAL PHILOSOPHY.**—The student is thoroughly grounded in the elements of mechanics and physics. The apparatus of the College Laboratory is available for use. The historical beginnings of each subject, and subsequent development, are sketched in brief lectures. No pains are spared to familiarize the pupil with the laws of these sciences, by instruction, experiment, review, and repeated examination. The truth of principles is proved, except where the demonstration involves the mathematics of the higher course in College.

**ASTRONOMY.**—Descriptive Astronomy discusses the earth's relation to the solar system, the masses, motions and orbits of each member of it; the causes and consequences of at least five motions of the earth; general boundaries of the constellations of the Zodiac and Northern heavens; the accepted theories of comets, meteors and nebulae. Charts, star maps, globes, and other apparatus are used, and the student is afforded privileges of observation in the College observatory.

**PHYSICAL GEOGRAPHY** lays a broad foundation for subsequent work in all sciences. It surveys the earth's physiography, climate, atmosphere, fauna, flora, ocean tides and currents, and geological agencies. Special attention is given to the physical features of the United States. The text is illuminated by drawings, photographs, colored and relief maps, and specimens from the Museum.

**GEOLOGY.**—The student here masters the elements of lithological, structural, dynamic, and historical Geology. Specimens of various rocks and minerals are handled in class; their composition, characteristics and place in nature are explained; the structure of the earth in its present form is studied; the history of its evolution, the age and characteristics of its strata, the chief geological features of each continent, and the forces at work and that have worked to produce change are considered.

**BOTANY** is taught by text-book, field exercise, plant analysis and weekly lectures. A brief outline is first obtained of plant structure, physiology, growth, and reproduction. The subject is then reviewed by daily drill in analyzing, recording, classifying, and preserving specimens. The recorded analysis of fifty plants is required. Lectures explaining special forms of vegetable growth, the flora of this country, the cultivation, uses, and history of plants complete the work.

**PHYSIOLOGY**.—Every effort is made to impart clear ideas of the structure, parts and functions of the human body. Special attention is given to the chemistry of foods, the laws of health, the effects of stimulants and narcotics. Suggestions are constantly made as to poisons and their antidotes, the care of the sick, disinfection and sanitation, and accidents and emergencies. Charts, manikin and preparations are used in class.

**DESCRIPTIVE CHEMISTRY** is taught by text-book and lectures. The object of the course is to give the student a general knowledge of the most common elements, their sources, use, compounds and behaviour towards other elements and compounds, and to drill the student in writing formulæ and solving chemical equations. To accomplish this, each student will be expected to spend at least five hours each week in the Laboratory, studying the characteristics and reactions of the elements and their compounds, and performing the more simple experiments outlined in the text and lectures. Notes will be kept by each student, describing the experiment and giving the equation which represents the reactions taking place. The Professor will from time to time examine the note-books, and make such suggestions as he thinks helpful.

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## VIII. ELOCUTION.

This department is open to all members of the Institute. Its aim is the correct and effective utterance of thought; special attention is given to Voice Culture, Articulation, including Pronunciation and Expression. Weekly Rhetoricals in Bucknell Hall, afford ample opportunity for platform work. Bible Reading and the study of Shakespeare have places in the course.

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## PHYSICAL CULTURE.

The health of the students is made a prime object of attention, and sanitary requirements are carefully observed. The Institute Gymnasium has been refurnished and classes in Physical Culture are organized for the benefit of all students. The exercises practiced are such as tend to the development of grace and strength. The Jenness-Miller movements have been recently introduced. The Institute Campus of six acres furnishes facilities for exercise. Lawn tennis and other out-door games and exercises are encouraged.



## ÆSTHETIC CULTURE.

It is intended that the pupils of the Institute shall have the influence unconsciously received from painting, music and refined surroundings, as well as direct instruction in Literature, Music and Art. Special instruction in Music and Art is given in the schools devoted to those objects. Exercises in Free-hand Drawing are required of all students, except the Seniors.

The Art collection has recently been enriched with a fine oil painting, "Tobits' Offering to the Angels," presented by Mrs. H. S. Hopper.

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## SOCIAL CULTURE.

Pupils are trained to observe the usages of good society. Meetings of various organizations for improvement in Literature, Music and Art, and receptions at stated times in the charge of the pupils, give variety to student life. No effort is spared to give the pupils the advantages of a cultured home.

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## RELIGIOUS TRAINING.

The Institute is distinctively Christian in its influence. The morning Chapel exercises in Bucknell Hall are attended by the Institute students in common with the members of the other departments. Attendance upon Sabbath school and church services in town is required. All students have weekly recitations in the Bible. The students have organized several special classes for Scripture study.

The Young Women's Christian Association, composed of the officers and students of the Institute, meets on the second Sunday and on the second Thursday of each month. The regular Tuesday evening prayer-meeting, conducted by the ladies, with other devotional meetings, and also missionary and temperance work, are in charge of this Association.

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## DRAWING AND PAINTING.

The facilities for the study of Art have been greatly enhanced by the accommodations allotted to this department, in a special studio, which provides a spacious room with such adjustments for admission of light and supply of unencumbered wall surfaces as render it precisely adapted for the execution

and display of art productions. Provision is made for a thorough course of instruction in Drawing, Painting, and all forms of Art Decoration, including :

Drawing from Life ; Sketches from Nature ; Object Drawing ; Cast Drawing ; Perspective ; Painting from Life ; Landscape Painting ; Painting in Water Colors ; China Decoration ; Tapestry Dyeing, and Pastel Painting.

Extra tuition is charged for instruction in Art, as follows :

|                                                             | <i>Per Annum.</i>  |
|-------------------------------------------------------------|--------------------|
| Drawing . . . . .                                           | \$24 00            |
| Crayoning . . . . .                                         | 33 00              |
| Painting in Oil, Water Colors, <i>or</i> on China . . . . . | 60 00              |
| Use of Studies for Decorative Work . . . . .                | 3 00               |
|                                                             | <i>Per Lesson.</i> |
| Special individual instruction in Painting . . . . .        | \$1 00             |

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## METHOD OF INSTRUCTION IN THE STUDIO.

Pupils who take the regular course, begin by drawing from solid geometrical forms, thus learning the laws of proportion, and the relations of light and shade.

The aim is to impart such knowledge of the principles and practice of art as shall enable the pupil to do intelligent work.

Pupils whose interest is in Decorative work, are given the requisite instruction and assistance.

Free-hand Drawing is a part of the required work of the school, and is taught in the class-room to all students except the Seniors.

Students in the Art Department who have spent not less than one year in Art work, and attained the required degree of proficiency, may receive a certificate stating the amount and grade of work done.

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## SPECIAL BRANCHES.

Italian and Spanish may be taken as optional studies, under the instruction of M. Elysée Aviragnet.

All optional studies must be pursued in connection with the regular classes.

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## ELOCUTION AND GENERAL CLASS EXERCISES.

Exercises in Spelling are required of all students except Seniors.

Bible instruction is given once a week throughout the entire course.

Essays are required of all students each month.

Two Declamations are required of each student during each term.

Exercises in Elocution are required once a week of all classes. The text-book is Shoemaker's Practical Elocution, and the course of instruction includes : Voice Culture ; Modulation ; Analytical Reading ; Articulation—Phonetics ; Expression—Gesture, and the study of Shakespeare.

Special individual instruction in Elocution is offered at fifty cents a lesson.

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## PUBLIC EXERCISES.

**THE EXERCISES OF THE GRADUATING CLASS**, held in Commencement Hall, form the closing exercises of the Institute. This year they will be held June 21st.

**THE EXERCISES OF THE FOURTH YEAR CLASS**.—Of special interest in the calendar of the Institute are the Exercises of the Fourth Year Class, being a combined musical and literary entertainment held in Bucknell Hall. Three Prizes are then contended for ; two of them in composition, between members of the Fourth Year Class ; the other in Elocution, between all the members of the Institute. These exercises will take place this year Saturday evening, May 7th.

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## ALUMNÆ AND OTHER SOCIETIES.

**THE ALUMNÆ ASSOCIATION** holds its anniversary during Commencement Week. The date for 1892 is June 20th.

During Commencement Week, as far as the accommodations will permit, Alumnæ who take part in the Anniversary will be entertained at the Institute.

**THE LEWISBURG ALUMNÆ CLUB** meets at the Institute on the second Tuesday evening of each month during term-time, at 7 o'clock.

**THE STUDENTS' LOAN SOCIETY** meets in the parlors of the Institute on the first Tuesday morning after the opening of each term, at 9 o'clock.

The annual meeting for the election of officers is held at the Institute on Monday of Commencement Week immediately after the Business Meeting of the Alumnæ.

All contributions to the Society should be sent to the Treasurer, Mrs. T. H. Purdy, Sunbury, Pa.



## MUSIC INSTITUTE.

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The Music Institute is under the special charge of a French artist, whose musical education was received at the Conservatory of Music in Paris, and who has had a large and successful experience in teaching. He is supported by competent assistants, and the course is designed to afford every needed facility for the study of Vocal and Instrumental Music. An ample supply of pianos from the best makers is provided for practice, including a Concert Grand.

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### INSTRUMENTAL MUSIC.

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#### COURSE FOR THE PIANO-FORTE OF FOUR YEARS FOR GRADUATION.

The pupil is required to pursue the most thoroughly approved modern system of technical training. After the first rudiments have been mastered, the course of instruction leads to the practice of *etudes*, designed to unite with purely technical drill the acquirement of artistic style and expression.

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### PIANO.

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#### FIRST YEAR.

New England Conservatory Method, 1 and 2 parts; LeCouppey Ecole du Mécanisme; Duvernoy Ecole du Mécanisme, books 1, 2 and 3; Kohler, op. 157; Czerny, fifty studies from op. 261, 821, 599 and 139, ed. of Henrich Germer; Meyer, progressive and melodious studies; Robert Sutton's "The Elements of the Theory of Music;" Brown, Musical Biographies of Composers.

#### SECOND YEAR.

Plaidy, Technical Studies; Czerny, Polyrythmic Studies from op. 139, 834, 335 and 299; Czerny, Studies of Ornamentation from op. 355 and 833; Czerny, twelve Studies from op. 299 and 740; Czerny, thirty Studies from op. 299 and 834 (Henrich Germer Edition); Heller, Expression and Rythm, op. 125; Kullak, Preparatory Octave Studies; Rockstro, Practical Harmony; Rockstro, A History of Music.

#### THIRD YEAR.

Clementi "Gradus ad Parnassum;" Tausig, Daily Studies; Kohler, op. 112; Cramer Studies, books 1, 2 and 3; Czerny, thirty-six Octave Studies from op. 821, 335, 740 and 834 (Henrich German Edition); Richter, Harmony; Dr. Marx, Universal School of Music.

**FOURTH YEAR.**

R. Joseffy, Daily Studies ; Czerny, twenty Studies from op. 335 ; Czerny, nineteen Studies from op. 740 ; Czerny, Toccata, op 92 (Henrich Germer Edition) ; Kullak, Octave Studies ; Chopin, Studies ; Liszt, Studies ; T. Bach, Well Tempered Clavichord (preludes et fugues) ; Kullak, Art of Touch ; Richter, Counterpoint ; Reicha, Course of Musical Composition.

During the four years, selected studies from Bertini, Rossellen, Moscheles Herz Thalberg are also given to the pupils.

That the æsthetic development may be proportionately secured, the above exercises are supplemented by the study of works of the best composers.

**COURSE FOR PIPE ORGAN.**

The course is based upon :

F. Schneider's Practical Organ School, Thayer, Dudley Buck Pedal Studies, and upon works of Rink, Batiste, Lefébure—Wely, etc., etc.

**COURSE FOR THE VIOLIN.**

This course is based upon :

Dancla's School of Mechanism ; De Beriot's Violinist's First Guide ; Fiorillo's Studies ; Alard's Studies ; Kreutzer's Studies, etc., with selections from the compositions of the best writers for this instrument.

**COURSE FOR THE VIOLONCELLO.**

Instruction for this instrument is based upon :

Méthode Pratique pour le Violoncello par S. Lee.

**COURSE FOR VIOLA.**

Bruni's Method and Studies.

**COURSE FOR CONTREBASSE. (DOUBLE BASS.)**

Bottesini's Method.

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**THE ORCHESTRA.**

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**CLASSES FOR ALL ORCHESTRAL INSTRUMENTS.**

Students who are sufficiently advanced in any of the above musical instruments will have opportunity of practice in string quartettes, trios, concertos, and the orchestra. The latter furnishes the music for the public entertainments of the Institute.

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**THE BAND.**

A Brass Band, consisting of about twenty pieces, has been organized, and is lead by M. Elyseé Aviragnet, Director of the School of Music. The Band meets weekly in Bucknell Hall for rehearsal, and furnishes street and concert music for University and town exercises.



## VOICE CULTURE.

### COURSE OF THREE YEARS FOR GRADUATION.

Careful instruction is given in the use of the voice, and the correct manner of producing purity of tone. To secure control over the voice and gain for it flexibility, fullness and durability, thorough drill is afforded in such technical exercises as :

Lamperti's Italian Method ; Ciro Pinsuti's Daily Exercises ; the Vocalises of Rossini, Marchesi, Brodogni, Ronconi and Concone ; Duprez's *L'art du chant* ; Lamperti's Studies in Bravura Singing. For expression and the development of a pure style, practice is afforded in singing the best English, German, Italian, and French Songs, Operatic Arias, and Solos from the Oratorios.

## COURSE IN HARMONY.

It is urgently recommended that the study of Harmony be included with other Musical work, inasmuch as a sound knowledge of its principles is essential to the success of all vocalists and instrumentalists. The text-books used are :

Rockstro's Practical Harmony ; Richter's Counterpoint, Reicha's Course of Musical Composition.

## TUITION.

Extra tuition is charged for instruction in Music, as follows :

|                                                   | <i>Per Annum.</i>  |
|---------------------------------------------------|--------------------|
| Vocal Music . . . . .                             | \$60 00            |
| Music on Piano, <i>or</i> Organ . . . . .         | 60 00              |
| Harmony . . . . .                                 | 18 00              |
| Use of Instrument for practice . . . . .          | 10 00              |
|                                                   | <i>Per Lesson.</i> |
| Special individual instruction in Music . . . . . | \$1 00             |

No reduction will be made except in case of protracted illness.

Instruction in the Orchestra and in Harmony is free to pupils otherwise studying music.





## GENERAL INFORMATION.

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### ADVANTAGES.

The Bucknell Institute offers to young ladies unusual educational advantages. Its location in a University town assures an atmosphere of study, and the benefit of numerous literary exercises, lectures and addresses. The students in the Institute have the use not only of the library and apparatus of the Institute, but of the College as well, including the Astronomical Observatory, Chemical Laboratory, Museum, and the various apparatus of the University. An isolated school could not provide for itself these advantages at a cost of less than a quarter of a million dollars.

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### ADMINISTRATIVE AND OTHER REGULATIONS.

The rules of the Institute are few and simple and such as contemplate relations with those only whose purpose it is to conform to reasonable laws.

Parents should not seek to direct the movements of their daughters in such particulars as interfere with the regulations of the Institute, which regulations during term-time are expected to prevail.

The following are selections from the regulations :

1. No student is allowed to leave the Institute grounds at any time without permission from the Principal.
2. Unless for reasons very satisfactory, students from a distance are not permitted to visit their homes, or to leave the Institute to visit with relatives or friends in the town.
3. None but near relatives and friends from a distance are allowed to visit with boarding students, and such visits must be so arranged as not to interfere with the regular hours of study and recitation.
4. Students are not at liberty to invite guests to their private apartments, or to any part of the building, without permission from the Principal.
5. Teachers and students take their meals at the same table, and no special article of food is served to any one except in case of sickness.
6. Parents and guardians are particularly requested to refrain from furnishing their daughters and wards with *eatables of any kind*, except fruit.
7. Patrons visiting young ladies at the Institute may be accommodated with board at one dollar a day, if there are vacant rooms. In no case will students be required to give up their rooms to visitors. It is expected that all visitors will conform to the general regulations of the Institution.
8. Regular and systematic exercise, both in the open air and in the Gymnasium, is required of each student.

9. In the Regular Course, the number of daily recitations is fixed. Special students are required to engage in such a number as may, in the judgment of the Principal, be sufficient to occupy their time.

10. The character of each recitation is recorded at the time, and the result, together with a statement of the general industry and deportment of the student, sent to the parent or guardian at the close of the term.

11. The passing grade in any study is a definite one, and must be attained before promotion can be secured.

12. No room will be reserved for a student unless definitely engaged.

13. The books and current periodicals of the College and Institute Libraries are available for all students.

14. ARTICLES REQUIRED.—Each student should be provided with an umbrella, water-proof, overshoes, table napkins, towels, covers for bureau and washstand, counterpanes, sheets and pillow-cases; size of pillow, twenty by thirty inches; bureau, forty-three by nineteen inches; washstand, thirty-two by sixteen inches.

Every article of clothing should be marked with the owner's name in full.

It is especially desired that the dress of pupils shall be simple and inexpensive. Whenever practicable, the wardrobe should be prepared at home, to avoid the necessity of frequent visits to town.



## PRIZES.

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The following Prizes have been established :

### THE BUCKNELL PRIZES.

The following prizes have been founded by the late William Bucknell, of Philadelphia :

1. A First Senior Prize, to be awarded to the member of the graduating class who, being excellent in scholarship during the Senior Year, shall prepare the best graduating essay.

2. A Second Senior Prize, to be awarded to the member of the graduating class who, being excellent in scholarship during the Senior Year, shall prepare the second best graduating essay.

For the year 1891 the First Prize of twenty-four dollars was awarded to Emma Taylor Hyman ; and the Second Prize of sixteen dollars to Bessie Hill Mershon.

3. A Third Senior Prize, to be awarded to the member of the graduating class who shall attain the highest grade in the studies of the Senior Year. This excludes all grades for studies not in the Senior Year, all Senior studies taken before the Senior Year, and all studies not taken in the University.

For the year 1891 this Prize of twenty-five dollars was awarded to Mary Moore Wolfe.

4. A First Fourth Year Prize, to be awarded to the member of the Fourth Year Class who, being excellent in scholarship during the year, shall prepare the best Fourth Year essay.

5. A Second Four Year Prize, to be awarded to the member of the Fourth Year Class who, being excellent in scholarship during the year, shall prepare the second best Fourth Year essay.

For the year 1891 these Prizes were awarded as follows : Margaret Thompson received the First Prize of twenty dollars ; Mary Alice Peck the Second Prize of fifteen dollars.

The Fund consists of \$2,000, the income from which is to be devoted to those Prizes annually in a manner more particularly defined in the donor's communication to the Trustees.

### THE LIPPINCOTT PRIZE.

An award of fifty dollars has been offered by Mr. Craig Lippincott, to the student who proves, on examination, to have the best command of the English Language, and the most thorough knowledge of British and American Literature. For the year 1891 this Prize was awarded to Katherine Wittenmyer.

### THE ELOCUTION PRIZE.

A Prize in Elocution is offered to that student who shall give the best recitation at the Annual Contest.

For 1891 the Prize was awarded to Margaret Thompson.

**THE AVIRAGNET PRIZES.**

Professor Elysée Aviragnet has established two Prizes, as follows :

**MUSIC.**

A prize of ten dollars for excellence in Music.

For 1891 this Prize was awarded to Carrie Elizabeth Mensch.

**FRENCH.**

A Prize of ten dollars for excellence in French.

For 1891 this Prize was awarded to Arthur Fremont Gardner.

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**SCHOLARSHIPS AND AIDS.**

Free Scholarships, covering tuition, are awarded to children of ministers of the Gospel *in actual service*.

The Students' Loan Society, organized June, 1887, will give aid to as many students of the Institute as possible. Applications for aid should be made to the President, Mrs. Katherine B. Larison, Lewisburg, Pa.



## EXPENSES.

**I. BOARDING STUDENTS.**—The regular charges for Boarding Students are \$225.00 per annum; the other expenses, spending-money, books and clothing, are at the option of the individual student.

Boarding Students are charged extra for the washing of dresses, and for more than twelve pieces per week.

The rooms in the Bucknell Cottage are rented in suites, for which there is an extra charge, depending on the location.

|                                     | <i>Per Annum.</i> |
|-------------------------------------|-------------------|
| Suite on the first floor . . . . .  | \$30 00           |
| Suite on the second floor . . . . . | 34 00             |
| Suite on the third floor . . . . .  | 28 00             |

Each suite contains a study and sleeping apartments, and has accommodations for, and will be occupied by, four persons, and the charge will be accordingly divided.

If a student arranges to occupy one of the large rooms, in the South Hall of the main building, by herself, room-rent will be charged.

Students will be charged for damage done to furniture or to the room they occupy.

**II. DAY STUDENTS.**—The charges for Day Students amount to fifty dollars per annum, and are apportioned as follows:

|                           | <i>Per Annum.</i> |
|---------------------------|-------------------|
| Tuition. . . . .          | \$36 00           |
| Incidentals, etc. . . . . | 14 00             |
|                           | <hr/> \$50 00     |

**III. EXTRA STUDIES.**—The charges for the same are enumerated under Elocution, Drawing and Painting, and Music.

Bills are payable *strictly in advance*; or, by the 15th of September, January, and April. Checks and drafts should be drawn in favor of the Registrar of the University.

No bill will be made out for a shorter period than one term; and no deduction will be made except in the charge for board in case of a prolonged absence on account of sickness.

The expenses for Music, Printing, and other charges ordinarily incurred at Examinations and on Anniversary occasions, are paid by the class or classes for which such expenses are incurred.

When music is furnished by the Institute Orchestra for public exercises, no charge is made.

The fee for Graduation and Diplomas is five dollars.

For information respecting the Institute, address the Principal, Mrs. Katherine B. Larison, A. M., or the President of the University, John H. Harris, Ph. D., LL. D.



## RAILROAD DIRECTORY.

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**P. & R.—The Shamokin, Sunbury and Lewisburg Division** of the Philadelphia and Reading Railroad now passes through Lewisburg. Passengers from Philadelphia take a through car at the Broad and Callowhill Station, either in the morning or evening. Roads tributary to the main line of the Reading connect with these trains at West Falls, Reading, Tamaqua, Mahanoy Junction, and Shamokin. Passengers on the line of the **Catawissa Railroad** can connect with trains for Lewisburg at West Milton.

**P. & E.—The Philadelphia and Erie Railroad** runs within one and a half miles of Lewisburg. Persons coming to Lewisburg stop at Montandon. From that place the **Lewisburg and Tyrone Railroad** runs through Lewisburg, and trains on this road make connections with the Philadelphia and Erie Railroad.

Most of the following trains run through from the points named below without change of cars:

Three trains daily from Philadelphia, Baltimore, Pittsburg, Buffalo, Elmira, and Williamsport; two from New York, *via* Harrisburg or Scranton; and one from Erie.

**Penna. R. R.**—Passengers from Pittsburg and other points on the **Pennsylvania Railroad** can reach Lewisburg *via* Tyrone and Lock Haven, or *via* Tyrone and Bellefonte, or *via* Lewistown and Sunbury, or *via* Harrisburg and Montandon, according as they are located on the line.

**D. L. & W.—The Lackawanna and Bloomsburg Railroad** connects with the Philadelphia and Erie Railroad at Northumberland.

The above trains connect at all intermediate points. All of the above roads have fast express trains passing through Lewisburg.



# UNIVERSITY CALENDAR.

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1892-93.

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SECOND TERM ends . . . . . Friday, March 25, 1892.

## SPRING RECESS.

THIRD TERM begins. . . . . Tuesday, April 5, 1892.  
SERMON BEFORE THE Y. M. C. ASSOCIATIONS. . . . Sunday, April 10, 1892.  
DECLAMATION OF THE THIRD FORM, Academy. . . Saturday, April 30, 1892.  
EXERCISE OF THE FOURTH YEAR CLASS, Institute . . Saturday, May 7, 1892.  
EXHIBITION OF THE JUNIOR CLASS, College. . . . Friday, May 13, 1892.  
EXAMINATION OF THE SENIOR CLASS, College. . . Wednesday, June 1, 1892.  
OTHER EXAMINATIONS. . . . . Thursday to Saturday, June 16 to 18, 1892.  
BACCALAUREATE SERMON. . . . . Sunday, June 19, 1892.  
SERMON BEFORE THE EDUCATION SOCIETY. . . . . Sunday, June 19, 1892.  
EXAMINATIONS FOR ADMISSION TO COLLEGE. . . . Monday June 20, 1892.  
MEETING OF THE ALUMNÆ OF THE INSTITUTE. . . Monday, June 20, 1892.  
ORATION BEFORE THE LITERARY SOCIETIES. . . . Monday, June 20, 1892.  
ANNUAL MEETING OF THE TRUSTEES. . . . . Tuesday, June 21, 1892.  
ANNUAL MEETING OF THE ALUMNI. . . . . Tuesday, June 21, 1892.  
EXHIBITION OF THE FOURTH FORM, Academy. . . . Tuesday, June 21, 1892.  
GRADUATING EXERCISES OF THE INSTITUTE. . . . Tuesday, June 21, 1892.  
ORATION BEFORE THE ALUMNI. . . . . Tuesday, June 21, 1892.  
**Annual Commencement, the 42d.** . . . . . Wednesday, June 22, 1892.

## SUMMER VACATION.

EXAMINATIONS FOR ADMISSION TO COLLEGE . Wednesday, September 7, 1892.  
FIRST TERM begins. . . . . Thursday, September 8, 1892.  
THANKSGIVING (recess of three days) . . . . Thursday, November 24, 1892.  
FIRST TERM ends. . . . . Wednesday, December 14, 1892.

## HOLIDAY RECESS.

SECOND TERM begins. . . . . Tuesday, January 3, 1893.  
DAY OF PRAYER FOR COLLEGES. . . . . Thursday, January 26, 1893.  
SECOND TERM ends . . . . . Friday, March 24, 1893.

## SPRING RECESS.

THIRD TERM begins. . . . . Tuesday, April 4, 1893.  
SERMON BEFORE THE Y. M. C. ASSOCIATIONS. . . . Sunday, April 9, 1893.  
THIRD TERMS ends. . . . . Wednesday, June 21, 1893.

# BUCKNELL UNIVERSITY.

## THE COLLEGE.

JOHN HOWARD HARRIS, PH. D., LL. D., PRESIDENT,  
AND PROFESSOR OF PSYCHOLOGY AND ETHICS.

FREEMAN LOOMIS, PH. D.,  
PROFESSOR OF MODERN LANGUAGES AND LITERATURE, AND OF HISTORY.

GEORGE G. GROFF, M. D., LL. D.,  
PROFESSOR OF ORGANIC SCIENCES.

WILLIAM CYRUS BARTOL, A. M.,  
PROFESSOR OF MATHEMATICS AND ASTRONOMY.

FRANK ERNEST ROCKWOOD, A. M.,  
PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE.

WILLIAM GUNDY OWENS, A. M.,  
PROFESSOR OF PHYSICS AND CHEMISTRY.

ENOCH PERRINE, A. M.,  
JOHN P. CROZER PROFESSOR OF RHETORIC AND ENGLISH LITERATURE  
AND SECRETARY.

CLARENCE FASSETT CASTLE, PH. D.,  
NEW JERSEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.

FREEMAN LOOMIS, PH. D.,  
LIBRARIAN.

LINCOLN HULLEY, A. M.,  
INSTRUCTOR IN ELOCUTION.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,  
REGISTRAR OF THE UNIVERSITY.

# BUCKNELL UNIVERSITY.

## AFFILIATED SCHOOLS.

### Keystone Academy.

FACTORYVILLE, PA.

DAVID BROWN, A. M., *Principal*,

EVELINE J. STANTON, PH. B.,

FENTON C. ROWELL, A. B.,

E. E. WHITFORD, A. M.

A. HERMAN FASSETT,

RUTH S. LEIGHTON,

FIDELIA M. REYNOLDS,

### Western Pennsylvania Institute.

MT. PLEASANT, PA.

REV. LEROY STEPHENS, D. D., *Principal*,

ALFRED P. BOND, A. B.,

WILLIAM L. MAYNARD, A. B.,

EMMA C. WALTER,

GRACE G. LYON,

SARAH E. POLLINS,

EDITH WARDEN,

AUGUST BECKERT,

HATTIE BREESE.

### Hall Institute.

SHARON, PA.

REV. T. A. EDWARDS, A. M., *Principal*,

MANLY O. BROWN A. B.,

ALICE LUSE,

ANNA U. STILES, PH. B.,

R. J. MCKNIGHT, B. S.

FRANCES A. HEATH,

LOUI M. EIGHMY,

CARRIE DUNHAM.

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